Annex 5: Monitoring Sheet

TO CR of JICA RWANDA OFFICE

PROJECT MONITORING SHEET

Project Title: Project for Water Management and Capacity Building (WAMCAB)

Version of the Sheet: Ver.1 (Term: April, 2019 - September, 2019)

[Japanese side] Name: Norio KUNIYASU

Title: Chief Advisor / Irrigation Policy

[Rwandan side] Name: Emile RUZIBIZA

Title: Project Manager

Submission Date: 29th November

I. Summary

1 Progress

1-1 Progress of Inputs

Japanese side

- Dispatch of experts¹: (1) Chief Advisor / Irrigation Policy, (2) Deputy Chief Advisor / Irrigation Policy, (3) IWUO Management, (4) Water Management / O&M, (5) Water Management / O&M / Capacity Development, (6) Farm Management, (7) Coordinator / Training
- Provision of Equipment: copy machine and laptop computers
- Activity cost for C/Ps in the Rwandan fiscal year of 2018/2019 based on the request of Rwandan side

Rwandan side

- Assignment of counterparts (C/Ps): (1) Project Director, (2) Deputy Project Director²,
 (3) Project Manager, (4) Chief Implementer, (5) Task Force (TF) members at central,
 station and district level
- Project office at RAB HQs in Kigali
- Local operation and activity cost (Only in the Rwandan fiscal year of 2018/2019, RAB requested JICA to cover the activity cost for the Joint Coordinating Committee meeting, Task Force meeting and field visit, instead of covering the cost for venue and hotel services incurred during the meetings.)

² Deputy Project Director was assigned by Project Director on 9th April 2019.



¹ Expert of (8) Support for IMT Promotion was also assigned and will be dispatched from November 2019.

1-2 Progress of Activities

Activity 1

- Activity 1.1 To identify problems of the current implementation of IMT procedures through baseline survey
- Activity 1.2 To identify problems of division of roles for the promotion of IMT and supports of IWUOs through baseline survey
- Activity 1.3 To identify problems of IWUO supporting system through baseline survey
- (Progress) Regarding *Activity 1.1* to *1.3*, Project implemented basic information collection from the commencement of the Project and baseline survey from June to September 2019.
- Activity 1.4 To select model sites upon the approval at JCC
- (Progress) Based on the review of basic information collection and the results of baseline survey, workshops and the 2nd TF meeting were held in August 2019. TF members and JICA team broadly agreed on model sites on each district namely Ngoma 22 and Mwanbu in Ngoma District, Bugugu, Cyimpima, Gashara and Cyaruhogo in Rwamagana District, Ngiryi and Nyabuyogera in Gisagara District. The final decision will be made in the 2nd JCC meeting in November 2019.
- Activity 1.5 To implement the activities addressing to the above-noted problems
- Activity 1.6 To monitor the progress
- (Progress) Regarding *Activity 1.5* to *1.6*, the concept of Improvement Plan / Training Plan was shared with TF members through workshops and the 2nd TF meeting in August 2019.
- Activity 1.7 To draft IMT implementation manuals for IMT procedures, support system (including division of roles), support contents and monitoring
- Activity 1.8 To help C/Ps to draft proposal of amendment of the IWUO Policy and Strategy, and the Ministerial Order
- (Progress) Not available (N/A) regarding Activity 1.7 and 1.8

Activity 2

- Activity 2.1 To analyse the current situation in order to identify problems through baseline survey
- (Progress) Project implemented basic information collection from the commencement of the Project and baseline survey from June to September 2019.

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Activity 2.2	To elaborate the draft improvement plan of IWUO management based on the activity as written 2.1.
(Progress)	The concept of Improvement Plan / Training Plan was shared with TF members through workshops and the 2 nd TF meeting in August 2019.
Activity 2.3	To train C/Ps as trainers based on the improvement plan
Activity 2.4	To draft IWUO management improvement manuals
Activity 2.5	To conduct IWUO training by C/P trainers in the model sites
Activity 2.6	To improve the draft manuals based on the implementation of activity written as 2.5.
Activity 2.7	To set up monitoring and evaluation system
Activity 2.8	To implement monitoring and evaluation on relevant activities
(Progress)	N/A regarding Activity 2.3 to 2.8
Activity 3	
Activity 3.1	To analyse the current situation in order to identify problems of operation and maintenance (O&M) through baseline survey
(Progress)	Project implemented basic information collection from the commencement of the Project and baseline survey from June to September 2019.
Activity 3.2	To elaborate the draft improvement plan of O&M in the model sites based on the activity as written 3.1.
(Progress)	The concept of Improvement Plan / Training Plan was shared with TF members through workshops and the 2 nd TF meeting in August 2019.
Activity 3.3	To train C/Ps as trainers based on the improvement plan of O&M
Activity 3.4	To draft O&M manuals
Activity 3.5	To conduct IWUO training by C/P trainers in the model sites
Activity 3.6	To improve the draft manuals based on the implementation of activity written as 3.5.
Activity 3.7	To implement monitoring and evaluation on relevant activities
(Progress)	N/A regarding Activity 3.3 to 3.7
Activity 4	
Activity 4.1	To analyse the current situation in order to identify problems of water management through baseline survey





(Progress)	Project implemented basic information collection from the commencement of
	the Project and baseline survey from June to September 2019.
Activity 4.2	To elaborate the draft improvement plan of water management in the model
	sites based on the activity as written 4.1.
(Progress)	The concept of Improvement Plan / Training Plan was shared with TF members through workshops and the 2 nd TF meeting in August 2019.
Activity 4.3	To train C/Ps as trainers based on the improvement plan of water management
Activity 4.4	To draft water management improvement manuals
Activity 4.5	To conduct IWUO training by C/P trainers in the model sites
Activity 4.6	To improve the draft manuals based on the implementation of activity written as 4.5.
Activity 4.7	To implement monitoring and evaluation on relevant activities
(Progress)	N/A regarding Activity 4.3 to 4.7
Activity 5	
Activity 5.1	To analyse the current situation in order to identify problems of agricultural extension and farm management through baseline survey
(Progress)	Project implemented basic information collection from the commencement of the Project and baseline survey from June to September 2019. In addition, the production record of cooperatives were collected and the necessary survey on farming was conducted.
Activity 5.2	To extract suitable methodologies from lessons learnt through relevant projects
(Progress)	Information from the relevant projects has been collected.
Activity 5.3	To train C/Ps as trainers based on the suitable methodologies
Activity 5.4	To elaborate farm management training texts
Activity 5.5	To conduct training by C/P trainers in the model sites
Activity 5.6	To implement monitoring and evaluation on relevant activities
(Progress)	N/A regarding Activity 5.3 to 5.6

1-3 Achievement of Output

Output 1 Irrigation Management Transfer (IMT) procedure, support system (including

the roles of stakeholders), and contents of support to IWUO and procedures of monitoring are identified.

- Basic data collection and its review were conducted. Based on the results, JICA team
 analysed and discussed with the officials concerned about problems and constraints
 for IMT procedures by using *Problem Tree* method.
- Baseline survey was implemented from June to September 2019. The results of interview survey for IWUO and Capacity Assessment for stakeholder were analysed.
- A workshop was held in each district in August 2019. JICA team proposed the model sites and discussed with TF members. After the workshop the 2nd TF meeting was held, and each district presented the model sites. TF members and JICA team broadly agreed on the model site, and the final decision will be made in the 2nd JCC meeting in November 2019.
- Concept of Improvement Plan / Training Plan was shared with TF members in the workshops and the 2nd TF meeting.

Output 2 IWUO management is enhanced in the model sites.

- Basic data collection and its review were conducted. Based on the results, JICA team analysed and discussed with the officials concerned about problems and constraints for IWUO management by using *Problem Tree* method.
- Baseline survey was implemented from June to September 2019. The results of interview survey for IWUO, Capacity Assessment for possible model IWUOs and stakeholder, and survey on service providers were analysed.
- A workshop was held in each district in August 2019.
- Concept of Improvement Plan / Training Plan was shared with TF members in the workshops and the 2nd TF meeting.

Output 3 Operation and maintenance are properly implemented in the model sites.

- Basic data collection and its review were conducted. Based on the results, JICA team
 analysed and discussed with the officials concerned about problems and constraints
 for O&M by using *Problem Tree* method.
- Baseline survey was implemented from June to September 2019. The results of interview survey for IWUO, Capacity Assessment for possible model IWUOs and stakeholder, and survey on service providers were analysed.
- A workshop was held in each district in August 2019.
- Concept of Improvement Plan / Training Plan was shared with TF members in the workshops and the 2nd TF meeting.



Output 4 Water management is properly implemented in the model sites.

- Basic data collection and its review were conducted. Based on the results, JICA team
 analysed and discussed with the officials concerned about problems and constraints
 for water management by using *Problem Tree* method.
- Baseline survey was implemented from June to September 2019. The results of interview survey for IWUO, Capacity Assessment for possible model IWUOs and stakeholder, and survey on service providers were analysed.
- A workshop was held in each district in August 2019.
- Concept of Improvement Plan / Training Plan was shared with TF members in the workshops and the 2nd TF meeting.

Output 5 Farm management is properly implemented in the model sites.

- Basic data collection and its review were conducted. Based on the results, JICA team
 analysed and discussed with the officials concerned about problems and constraints
 for farm management by using *Problem Tree* method.
- Baseline survey was implemented from June to September 2019. The results of interview survey for both IWUO and cooperative, Capacity Assessment for stakeholder, and survey on service providers were analysed. In addition, the production record of cooperatives are collected and the necessary survey on farming was conducted.
- A workshop was held in each district in August 2019.
- Concept of Improvement Plan / Training Plan was shared with TF members in the workshops and the 2nd TF meeting.

1-4 Achievement of the Project Purpose

Project Purpose The capacity of irrigation scheme management improves in the model sites.

- Based on the review of basic information collection and the results of baseline survey, the Project has started to support to prepare Improvement Plan / Training Plan. The concept of the Plan was shared with TF members through workshops and the 2nd TF meeting.
- TF members and JICA team broadly agreed on the model site, and the final decision will be made in the 2nd JCC meeting.
- Based on the results of baseline survey, objectively verifiable indicators for project propose has been considered.

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1-5 Changes of Risks and Actions for Mitigation

There's no change of risks identified from the commencement of the Project.

1-6 Progress of Actions undertaken by JICA

N/A

1-7 Progress of Actions undertaken by Gov. of Rwanda

RGB (Rwanda Governance Board) was proposed to be added by a JCC member in the 1st JCC meeting. However, as a result of discussions between C/Ps and RGB, RGB has decided to attend JCC meetings as an observer from the fair position of the third party.

1-8 Progress of Environmental and Social Considerations (if applicable)

N/A

1-9 Progress of Considerations on Gender/Peace Building/Poverty Reduction (if applicable)

N/A

- 1-10 Other remarkable/considerable issues related/affect to the project (such as other JICA's projects, activities of counterparts, other donors, private sectors, NGOs etc.)
- Relocation of RAB HQs from Kigali to Huye District was announced in July 2019. JICA team has kept working to grasp the situation and requesting the provision of the office space in the new RAB HQs to Rwandan side.
- The process of payments for TF members who attended the 2nd TF meeting in August 2019 has taken long time, which can affect negative impacts to the project activities. As one of the countermeasures, based on the suggestions from the TF members of districts, Memorandum of Understanding (MoU) between RAB, district and the Project has been prepared for the proper implementation of the project activities.
- On 11th September, JICA team was informed by Chief Implementer that the contract of contractual officers with RAB would be suspended from 1st October. JICA team will keep working to grasp the situation. In parallel, the implementation structure of training activities will be considered with C/Ps.





2 Delay of Work Schedule and/or Problems (if any)

2-1 Detail

N/A

2-2 Cause

N/A

2-3 Action to be taken

N/A

2-4 Roles of Responsible Persons/Organization (JICA, Gov. of Rwanda, etc.)
N/A

3 Modification of the Project Implementation Plan

3-1 PO

N/A

3-2 Other modifications on detailed implementation plan

(Remarks: The amendment of R/D and PDM (title of the project, duration, project site(s), target group(s), implementation structure, overall goal, project purpose, outputs, activities, and input) should be authorized by JICA HDQs. If the project team deems it necessary to modify any part of R/D and PDM, the team may propose the draft.)

- Based on the results of baseline survey, objectively verifiable indicators for project propose should be clarified as follows:
 - Indicator 1: "The level of satisfaction of IWUOs in the model sites increase by X% through the improvement of IMT procedures and the IWUO-Support system."

Definition of "satisfaction" should be clarified.

Indicator 2 "The agreed plans (organizational operation, operation and maintenance, water management, and farm management) by IWUO are implemented with higher rates of X%."

Area of "IWUO" should be identified such as "IWUO in the model sites".

4 Preparation of Gov. of Rwanda toward after completion of the Project N/A





II. Project Monitoring Sheet I & II as Attached

Annex I Project Monitoring Sheet I (Revision of PDM)

Annex II Project Monitoring Sheet II (Revision of PO)

Annex III Minutes of Memorandum for the 1st JCC meeting

Annex IV Minutes of Memorandum for the 1st TF meeting

Annex V Minutes of Memorandum for Workshop in Ngoma District

Annex VI Minutes of Memorandum for Workshop in Rwamagana District

Annex VII Minutes of Memorandum for Workshop in Gisagara District

Annex VIII Minutes of Memorandum for the 2nd TF meeting
Annex IX List of TF members (as of September 2019)





Project Monitoring Sheet I (Revision of Project Design Matrix)

Project Title: Project for Water Management and Capacity Building in Rwanda
Period of Project: Five years (From 2019 to 2024)
Farget Area: Rwamagana and Knoma Districts in Eastern Province land Gisagara District in Southern Province)
Project Beneficiaries: RAB, Irrigation Water Users: Organizations and District
Implementing Agency: Rwanda Agriculture and Animal Resources Development Board (RAB)
Collaborative Agencies: Ministry of Local Government (MINALOC), District Authorities, Rwanda Copperative Auth

Version 1

Dated 30th September, 2019

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumption	Achievement	Remarks
Overall Goal					
The models of scheme management by IWUOs are accepted in the target districts.	There is at least one scheme which follows the scheme management system in the target districts.	Interviewing to district officers in the target areas			
Project Purpose				STATE OF THE PARTY	
The capacity of irrigation scheme management improves in the model sites.	The level of satisfaction of IWUOs in the model sites increase by X % through the improvement of IMT procedures and the IWUO-Support system.	Project progress reports (including monitoring and evaluation reports)	There is no drastic changes in officers at district and sector levels, especially for agriculture, irrigation and cooperative subsectors.		Definition of "satisfaction" should be clarified.
	 The agreed plans (organizational operation, operation and maintenance, water management, and farm management) by IWUO are implemented with higher rates of X %. 				Area of "IWUO" should be identified such as "IWUO in the model sites"
Outputs	NUMBER OF STREET				
 Irrigation Management Transfer (IMT) procedures, support system (including the roles of stakeholders), and contents of support to IWUO and procedures of monitoring are identified. 	IMT implementation manuals are approved at JCC.	JCC minutes		Basicdata collection, baseline survey were conducted as planned. Workshop was held in each district and model sites are broadly agreed.	
	IWUO Management improvement manuals are approved at JCC.	JCC minutes	and the second second	Basicdata collection, baseline survey were conducted as planned.	
 Operation and maintenance are properly implemented in the model sites. 	Operation and maintenance manuals are approved at JCC.	JCC minutes		ditto	
Water management is properly implemented in the model sites.	Water management manuals are approved at JCC.	JCC minutes		ditto	
5. Farm management is properly implemented in the model sites.	The extracted farm management methodologies are accepted in the model sites.	Project progress report		ditto	

model sites 5. Farm management is properly implemented in the model		Project progress report	
sites.	accepted in the model sites.		
Activities	(1) Input by JICA	nputs (2) Input by the Province	Important Assumption
Activities 1-1. To identify problems of the current implementation of IMT procedures through baseline survey 1-2. To identify problems of division of roles for the promotion of IMT and supports of IWLOs through baseline survey 1-3. To identify problems of IWLOs supporting systems through baseline survey 1-4. To select model sites upon the approval at JCC 1-5. To implement the activities addressing to the above-noted problems 1-6. To monitor the progress 1-6. To monitor the progress 1-7. To draft IMT implementation manuals for IMT procedures, support system (including division of roles), support contents and monitoring 1-8. To help C/Ps to draft proposal of amendment of the IWLO Policy and Strategy, and the Ministerial Order 2-1. To analyse the current situation in order to identify problems (e.g. IMC) registration, by-laws and regulations, IMTA conditions, collaboration with cooperatives, water rights and etc.) through baseline survey 2-2. To elaborate the draft improvement plan of IWLO		(2) Input by the Province 1. Assignment of C/Ps (1) Project Director (2) Deputy Project Director (3) Project Manager (4) Chief Implementor (5) Core C/Ps to work with the Japanese Expert Team at central, station, and distinct levels 2. Project Office (RAB in Kigali, and Station Offices in the two provinces) 3. Local Operation / Activity Cost • Electricity / Water fees in offices Internet environment • Transportation costs of C/Ps • Cost for Communication	Important Assumption
management (e.g. leadership, accounting, general assembly & executive committees, collaboration with cooperatives, and etc.) based on the activity as written 2-1			Pre-Conditions
2-3. To train C/Ps as trainers based on the improvement plan 2-4. To draft IWUO management improvement manuals			Basic agreement is made between MINAGRI MINALOC for the expected collaboration in the
2-5. To conduct IWUO training by C/P trainers in the model sites 2-6. To improve the draft manuals based on the			
implementation of activity written as 2-5 2-7. To set up monitoring and evaluation system for IWUO management			
2-8. To implement monitoring and evaluation on relevant activities			
3-1. To analyse the current situation in order to identify problems of operation and maintenance (O & M) through baseline survey 3-2. To elaborate the draft improvement plan of O & M in			
the model sites based on the activity as written 3-1 3-3. To train C/Ps as trainers based on the improvement plan of O & M			
3-4. To draft O & M manuals 3-5. To conduct IWUO training by C/P trainers in the model sites			-
3-6. To improve the draft manuals based on the implementation of activity written as 3-5			ssues and countermeasures
3-7. To implement monitoring and evaluation on relevant activities 4-1. To analyse the current situation in order to identify			 Relocation of RAB HQs from Kigali to Huye was announced in July 2019. JICA team has a working to grasp the situation and requesting it provision of the office space in the new RAB H
problems of water management through baseline survey 4-2. To elaborate the draft improvement plan of water management in the model sites based on the activity as	A		Rwandan side. The process of payments for TF members w
written 4-1 4-3. To train C/Ps as trainers based on the improvement plan of water management			attended the 2nd 1F meeting in August 2019 I long time, which can affect negative impacts to project activities. As one of the countermeasur on the suggestions from the TF members of d Memorandum of Understanding (MoU) betwee district and the Project has been prepared for
 4-4. To draft water management improvement manuals 4-5. To conduct IWUO training by C/P trainers in the model sites 			implementation of the project activities. On 11th September, JICA team was informe implementer that the contract of contractual of
4-6. To improve the draft manuals based on the implementation of activity written as 4-5. 4-7. To implement monitoring and evaluation on relevant			RAB would be suspended from 1st October. J will keep working to grasp the situation. In par implementation structure of training activities v considered with C/Ps.
activities 5-1. To analyse the current situation in order to identify problems of agricultural extension and farm management through baseline survey.			
5-2. To extract suitable methodologies from lessons learnt through relevant projects			
5-3. To train C/Ps as trainers based on the suitable methodologies 5-4. To elaborate farm management training texts			
5-5. To conduct training by C/P trainers in the model sites			
5-6. To implement monitoring and evaluation on relevant			





ANNEX-II

Project Munituring Sheet II (Revision of Plan of Operation)

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tivities	Japanese Espert		Yea-	2019	2020	2020	2021		2022	2022		2023	2024		Achievements	Issue & Countemeasures
Sub-Activities	0 0 0 0 0 0 0 0	100 11/ 120 130 14 150	Berth A	gr. Way Jun. Jul. Aup. Box. Och Nov. Dec.	ion Feb Mar.	Apr. Nap July. Ad Aug Bep Dat. Nov De	in Jan. Fet. Mar. Agr. May Jun. 24 Aug	Sea Cut Nam Dec	Jan. Feb. Mar. Apr.	May Jul. J.A. Aug Etc. Oct. Nov.	Cerc. Jan. Fub. Mar. Apr. 6	May Jun. Jul. Aug Sep. Oct. Nov.	Dec Jan Fr	et Japan Geft		
			Part 15	Fast Phase: Europy/Planning		HI 12 H. C. L. C.	Second Phase: Technical Guidance Ph.	CONTRACTOR AND ADDRESS OF	SUPPLIES SERVICE	Third Phase:	Institutionsheation and Ex	dension Preparation Phase				
uration / Phasing		1 10	Actival .		100				10 10 10 10							
			Year	2010	2020	3020	2021		2022	1022	1/4	2023	2024	Remarks	Achievements	Issue & Countermeasures
onitoring Plan			A	or May Just Jul Aug Ber Old New Dec.	Jan. Fee. Mer.	Apr Nee Jun Ad Any See Oct Nov De	in Jan. Feb. Mar. Apr. May Jul. Jul. Aug	See Cut New Dec	Jan. Feb. Mai, Apr.	May Jun. Jul. Aug. Sep. Oct. Nov.	Cerc. Jan. Feb. Mar. Apr. 9	May Jun. Ad Aug Sep Oct Nov.	Det. Jan. Fe	et .	7400000	
eitering			_												DOM man married as a ACC married	ICE denuel to sustaining AC marketing CFs and Frage Team
Joint Coordinating Correntitee			200					100					1000	Note 1555, meeting was original and an 8 May 2519. John Plan, i.e. Extrated Plan of Complete was authorized		and the MGB office and contain their interrupt
Set-up the Detailed Plan of Operation					100									COURAN un 6 June 2010 juné infrance to IKIC members.		
last Force Westing					100									fig TF making non-reported in 20th June (ng TF meeting ofto classificated on 20th August.		
Submission of Munitaring Sheet			Plan Likel				100	B								Secretaria di Albamora di Japanese tida coporto and Cita deglimentiria hara Espatianteria in anti Chichara, and in organi degliare di Colora di Barel adhi Cita danno di Albamora in Novembra del Parignol trans presponen de admissioni la Statumbra.
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parts Documents					200											
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Project Completion Report			Flor													
dic Relations			Pho .													
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			Plan		_											





TO CR of JICA RWANDA OFFICE

PROJECT MONITORING SHEET

Project Title: Project for Water Management and Capacity Building (WAMC)

Version of the Sheet: Ver.2 (Term: October 2019 - March 2020)

[Japanese side] Name: Norio KUNIYASU

Title: Chief Advisor / Irrigation Policy

[Rwandan side] Name: Emile RUZIBIZA

Title: Project Manager

Submission Date: 1st March

I. Summary

1 Progress

1-1 Progress of Inputs

Japanese side

- Dispatch of experts: (1) Chief Advisor / Irrigation Policy, (2) Deputy Chief Advisor / Irrigation Policy, (3) IWUO Management, (4) Water Management / O&M, (5) Water Management / O&M / Capacity Development, (6) Farm Management, (7) Coordinator / Training, (8) Support for IMT Promotion
- Local experts: (1) Coordinator / IWUO Officer, (2) Irrigation Engineer, (3) Agronomist,
 (4) Assistant IWUO Officers (at Kigali and Rwamagana)

Rwandan side

- Assignment of counterparts (C/Ps): (1) Project Director, (2) Deputy Project Director,
 (3) Project Manager, (4) Chief Implementer, (5) Task Force (TF) members at central,
 station and district level
- Project office at RAB HQs in Kigali (From 1st April 2020)
- Temporary project office at SPIU MINAGRI in Kigali (From 15th January 2020)
- Project office at RAB HQs in Rubona / Huye (From 4th February 2020)
- National WAMCAB project budget for local operation and activity cost has been approved for the latter half of Rwanda fiscal year 2019/2020 (January 2020 to June 2020) (See Annex IX).

1-2 Progress of Activities

Activity 1

- Activity 1.1 To identify problems of the current implementation of IMT procedures through baseline survey
- Activity 1.2 To identify problems of division of roles for the promotion of IMT and supports of IWUOs through baseline survey
- Activity 1.3 To identify problems of IWUO supporting system through baseline survey
- (Progress) Regarding Activity 1.1 to 1.3, the Project identified problems through basic information collection and baseline survey during the previous reporting period.
- Activity 1.4 To select model sites upon the approval at JCC
- (Progress) As reported in M/S #1, eight (8) model sites were selected in three targeted districts. Regarding the terms and number, the Project rearranged them as four (4) model sites including eight (8) irrigation schemes; Ngoma 22 and Mwanbu schemes as Ngoma model site, Bugugu, Cyimpima, Gashara and Cyaruhogo schemes as Rwamagana model site, Ngiryi scheme as the first Gisagara model site and Nyabuyogera scheme as the second Gisagara model site. The proposed model sites were officially approved at the 2nd JCC meeting on 15th November 2019. After the approval, through preparation of Improvement Plan and Training Plan, Gisagara district newly proposed Nyiramageni scheme as an additional irrigation scheme for model site, which is located downstream of Ngiryi scheme. As this scheme has the same watershed and cropping pattern as Ngiryi's, the Project considered its involvement and cooperation to the training activities not as model site but as satellite scheme of the first Gisagara model site.
- Activity 1.5 To implement the activities addressing to the above-noted problems
- Activity 1.6 To monitor the progress
- Activity 1.7 To draft IMT implementation manuals for IMT procedures, support system (including division of roles), support contents and monitoring
- Activity 1.8 To help C/Ps to draft proposal of amendment of the IWUO Policy and Strategy, and the Ministerial Order
- (Progress) Based on the identified problems in *Activity 1.1*, through the 2nd JCC meeting, the 3rd and 4th TF meeting, the Improvement Plan Religious Plan was finalized (See Annex X). In addition, the draft manuals were summarized, which includes the title, proposed contents and status (See Annex XI).

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Activity 2 To analyse the current situation in order to identify problems through baseline Activity 2.1 The Project identified problems through basic information collection and (Progress) baseline survey during the previous reporting period. Activity 2.2 To elaborate the draft improvement plan of IWUO management based on the activity as written 2.1. To draft IWUO management improvement manuals Activity 2.4 Based on the identified problems in Activity 2.1, through the 2nd JCC meeting, (Progress) the 3rd and 4th TF meeting, the Improvement Plan / Training Plan was finalized (See Annex X). In addition, the draft manuals were summarized, which includes the title, proposed contents and status (See Annex XI). To train C/Ps as trainers based on the improvement plan Activity 2.3 To conduct IWUO training by C/P trainers in the model sites Activity 2.5 To improve the draft manuals based on the implementation of activity written Activity 2.6 as 2.5. Activity 2.7 To set up monitoring and evaluation system To implement monitoring and evaluation on relevant activities Activity 2.8 N/A regarding Activity 2.3 and 2.5 to 2.8 (Progress) Activity 3 To analyse the current situation in order to identify problems of operation and Activity 3.1 maintenance (O&M) through baseline survey The Project identified problems through basic information collection and (Progress) baseline survey during the previous reporting period. To elaborate the draft improvement plan of O&M in the model sites based on Activity 3.2 the activity as written 3.1. To train C/Ps as trainers based on the improvement plan of O&M Activity 3.3 Activity 3.4 To draft O&M manuals Based on the identified problems in Activity 3.1, through the 2nd JCC meeting, (Progress) the 3rd and 4th TF meeting, the Improvement Plan Training Plan was finalized (See Annex X). In the plans, the Project considered a new

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implementation structure focusing on field collaborators. Instead, C/Ps will

be responsible for Monitoring and Evaluation (M/E). In addition, the draft manuals were summarized, which includes the title, proposed contents and status (See Annex XI).

- Activity 3.5 To conduct IWUO training by C/P trainers in the model sites
- Activity 3.6 To improve the draft manuals based on the implementation of activity written as 3.5.
- Activity 3.7 To implement monitoring and evaluation on relevant activities
- (Progress) N/A regarding Activity 3.5 to 3.7

Activity 4

- Activity 4.1 To analyse the current situation in order to identify problems of water management through baseline survey
- (Progress) The Project identified problems through basic information collection and baseline survey during the previous reporting period.
- Activity 4.2 To elaborate the draft improvement plan of water management in the model sites based on the activity as written 4.1.
- Activity 4.3 To train C/Ps as trainers based on the improvement plan of water management
- Activity 4.4 To draft water management improvement manuals
- (Progress) Based on the identified problems in *Activity 4.1*, through the 2nd JCC meeting, the 3rd and 4th TF meeting, the Improvement Plan / Training Plan was finalized (See Annex X). In the plans, the Project considered a new implementation structure focusing on field collaborators. Instead, C/Ps will be responsible for M/E. In addition, the draft manuals were summarized, which includes the title, proposed contents and status (See Annex XI).
- Activity 4.5 To conduct IWUO training by C/P trainers in the model sites
- Activity 4.6 To improve the draft manuals based on the implementation of activity written as 4.5.
- Activity 4.7 To implement monitoring and evaluation on relevant activities
- (Progress) N/A regarding Activity 4.5 to 4.7

Activity 5

Activity 5.1 To analyse the current situation in order to identify problems of agricultural extension and farm management through baseline survey

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(Progress)	The Project identified problems through basic information collection and
	baseline survey during the previous reporting period.
Activity 5.2	To extract suitable methodologies from lessons learnt through relevant projects
(Progress)	Based on the results of baseline survey and supplemental information collection, through the 2^{nd} JCC meeting, the 3^{rd} and 4^{th} TF meeting, the Improvement Plan / Training Plan was finalized (See Annex X).
Activity 5.3	To train C/Ps as trainers based on the suitable methodologies
(Progress)	In the Improvement Plan / Training Plan plans, the Project considered a new implementation structure focusing on field collaborators. As for the involvement of C/Ps, the Project will conduct on-the-job training for them, while they will be mainly responsible for M/E.
Activity 5.4	To elaborate farm management training texts
(Progress)	Draft manuals were summarized, which includes the title, proposed contents and status (See Annex XI).
Activity 5.5	To conduct training by C/P trainers in the model sites
Activity 5.6	To implement monitoring and evaluation on relevant activities
(Progress)	In order to consider and examine the new implementation structure, pre-

1-3 Achievement of Output

Output 1 Irrigation Management Transfer (IMT) procedure, support system (including the roles of stakeholders), and contents of support to IWUO and procedures of monitoring are identified.

implemented trail of M/E with Kirkpatrick method.

training was conducted directly to the beneficiaries in the model sites (representative of IWUOs and cooperatives). In addition, the Project

- Discussing each responsibility and cost sharing among RAB, target districts and the JICA team, and three parties have signed Memorandum of Understanding (MOU) at the occasion of the 2nd JCC meeting. (See Annex IV to VI)
- The Improvement Plan and the draft manuals were prepared.
- The Project supported target districts to activate a District Urrigation Steering Committee (DISC) meeting in February 2020.



Output 2 IWUO management is enhanced in the model sites.

- The Improvement Plan / Training Plan and the draft manuals were prepared.
- In the DISC meetings as mentioned above, the concept of organizing IWUO was shared with the participants.
- In Ngoma model site, the Project supported the reorganization of IWUO through the detailed information collection and workshops.

Output 3 Operation and maintenance are properly implemented in the model sites.

- The Improvement Plan / Training Plan and the draft manuals were prepared.

Output 4 Water management is properly implemented in the model sites.

- The Improvement Plan / Training Plan and the draft manuals were prepared.

Output 5 Farm management is properly implemented in the model sites.

- The Improvement Plan / Training Plan and the draft manuals were prepared.
- For the new implementation structure, pre-training and trial of M/E were conducted.

1-4 Achievement of the Project Purpose

Project Purpose The capacity of irrigation scheme management improves in the model sites.

- Based on the proposal of model sites from TF members and JICA team, four (4) model sites including eight (8) irrigation schemes were approved in the 2nd JCC meeting on 15th November 2019.
- Concept of the Improvement Plan / Training Plan was discussed in the 2nd JCC meeting, and it was finalized through the 4th TF meeting on 14th February 2020. In addition, the draft manuals were prepared and shared with TF members in the 4th TF meeting.
- The Project proposed the revised indicators and broadly agreed by TF members as described in 3-2.

1-5 Changes of Risks and Actions for Mitigation

There's no change of risks identified from the commencement of the Project.

1-6 Progress of Actions undertaken by JICA

N/A



1-7 Progress of Actions undertaken by Gov. of Rwanda

N/A

1-8 Progress of Environmental and Social Considerations (if applicable)

N/A

1-9 Progress of Considerations on Gender/Peace Building/Poverty Reduction (if applicable)

N/A

- 1-10 Other remarkable/considerable issues related/affect to the project (such as other JICA's projects, activities of counterparts, other donors, private sectors, NGOs etc.)
- As described in 1-1, national WAMCAB project budget has been approved for the latter half of Rwanda fiscal year 2019/2020. Therefore, local operation and activity cost shall be paid from this budget line. It is now under the execution process. The C/Ps will continue to apply the national WAMCAB budget for the next fiscal year.
- As reported in M/S #1, in September 2019, JICA team was informed by Chief Implementer that the contract of contractual officers with RAB would be suspended from 1st October. However, their contract was extended, and the problem has been solved.
- 2 Delay of Work Schedule and/or Problems (if any)

2-1 Detail

N/A

2-2 Cause

N/A

2-3 Action to be taken

N/A

2-4 Roles of Responsible Persons/Organization (JICA, Gov. of Rwanda, etc.)

N/A

3 Modification of the Project Implementation Plan

3-1 PO





N/A

3-2 Other modifications on detailed implementation plan

(Remarks: The amendment of R/D and PDM (title of the project, duration, project site(s), target group(s), implementation structure, overall goal, project purpose, outputs, activities, and input) should be authorized by JICA HDQs. If the project team deems it necessary to modify any part of R/D and PDM, the team may propose the draft.)

- Based on the results of baseline survey and discussions with TF members, objectively verifiable indicators for project propose was proposed as follows:
 - Indicator 1: "The level of <u>organizational capacity</u> of IWUOs in the model sites increases to <u>70% or more</u> through the improvement of IMT procedures and the IWUO-Support system."
 - Indicator 2 "The agreed plans (organizational operation, operation and maintenance, water management, and farm management) by IWUO in the model sites are implemented with higher rates of <u>75%</u>"
- The final revision will be approved at the JCC meeting in the 2nd Phase.

4 Preparation of Gov. of Rwanda toward after completion of the Project N/A

II. Project Monitoring Sheet I & II as Attached

Annex I Project Monitoring Sheet I (Revision of PDM)

Annex II Project Monitoring Sheet II (Revision of PO)

Annex III Minutes of Memorandum for the 2nd JCC meeting

Annex IV MOU for Ngoma

Annex V MOU for Rwamagana

Annex VI MOU for Gisagara

Annex VII Minutes of Memorandum for the 3rd TF meeting Annex VIII Minutes of Memorandum for the 4th TF meeting

Annex IX WAMCAB Budget line from January 2020 to June 2020

Annex X Improvement Plan and Training Plan
Annex XI Training Materials (Draft Manuals)

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Remarks

Through the 4th TF meeting, objectively verifiable indicators for project purpose was proposed to be revised as follows:

The level of <u>organizational capacity</u> of IWUOs in the model sites increase by <u>70% or more</u> through the improvement of IMT procedures and the IWUO-Support system

2 The agreed plans (organizational operation, operation and maintenance, water management, and farm management) by IWUO in the model sites are implemented with higher rates of 75%.

The final revision will be approved at the JCC meeting in the 2nd Phase

Project Monitoring Sheet I (Revision of Project Design Matrix)

Project Title: Project for Water Management and Capacity Building in Rwanda

Period of Project: Five years (From 2019 to 2024)

Target Area: Rwamagana and Ngoma Districts in Eastern Province (and Gisagara District in Southern Province)

Project Beneficiaries: RAB, Irrigation Water Users Organizations and Districts

Implementing Agency, Rwanda Agriculture and Animal Resources Development Board (RAB)

Collaborative Agencies: Ministry of Local Government (MINALOC), District Authorities, Rwanda Cooperative Authority (RCA), Rwanda Governance Board (RGB)

Version 1

Dated 24th February, 2020

Collaborative Agencies: Ministry of Local Government (I Narrative Summary	MINALOC), District Authorities, Rwanda Cooperative Au Objectively Verifiable Indicators	thority (RCA), Rwanda Governance Board (RGB) Means of Ventication	Important Assumption	Achievement	T
Overall Goal The models of scheme management by IWUOs are	There is at least one scheme which follows the scheme	Interviewing to district officers in the target areas	The Vitali Assumption	Admentinant	+
accepted in the target districts. Project Purpose	management system in the target districts				
The capacity of irrigation scheme management improves in the model sites	The level of satisfaction of IWUOs in the model sites increase by X % through the improvement of IMT	Project progress reports (including monitoring and evaluation reports)	There is no drastic changes in officers at district and sector levels, especially for agriculture, irrigation and		1
	procedures and the IWUO-Support system.		cooperative subsectors.		
				1	
					1
	2. The agreed plans (organizational operation, operation				-
	and maintenance, water management, and farm management) by IWUO are implemented with higher rates of X %.				1
					5
					-
Outputs					-
Irrigation Management Transfer (IMT) procedures, support system (including the roles of stakeholders), and	IMT implementation manuals are approved at JCC.	JCC minutes		 Discussing each responsibility and cost sharing among RAB, target districts and 	
contents of support to IWUO and procedures of monitoring are identified				the JICA team, three parties have signed Memorandum of Understanding (MOU) at the occasion of the 2nd JCC meeting.	
				 The Improvement Plan and the draft manuals were prepared. 	1
				 The Project supported target districts to activte a District Irrigation Steering Committee (DISC) meeting in February 	1
				2020	1
2 IWUO management is enhanced in the model sites	IWUO Management improvement manuals are approved at JCC.	JCC minutes		•The Improvement Plan / Training Plan and the draft manuals were prepared	+
	at Job.			In the DISC meetings, the concept of organizing IWUO was shared with the	1
				participants In Ngoma model site, the Project	
			. 4	supported the reorganization of IWUO through the detailed information collection and workshops.	
3. Operation and maintenance are properly implemented in		JCC minutes		•The Improvement Plan / Training Plan	+
The model sites	JCC.			and the draft manuals were prepared	
4. Water hoose ment is properly implemented in the mode sites	Water management manuals are approved at JCC	JCC minutes		 The Improvement Plan / Training Plan and the draft manuals were prepared 	1
S arm management is properly implemented in the model	The extracted farm management methodologies are	Project progress report		Improvement Plan / Training Plan and	1
sites ES	accepted in the model sites.	1,		the draft manuals were prepared. •For the new implementation structure,	
K/A/K/				pre-training and trial of M/E were conducted.	
Activities	(1) Input by Japanese side	puts (2) input by Rwandan side	- Important Assumption		
1. To identify problems of the current implementation of IMT procedures through baseline survey	Dispatch of Experts Regular Team Experts	Assignment of C/Ps (1) Project Director			
1-2. To identify problems of division of roles for the	Chief Advisor / Irrigation Policy Deputy Chief Advisor / Irrigation Policy WUO Management	(2) Deputy Project Director (3) Project Manager (4) Chief Implementor			
promotion of IMT and supports of IWUOs through baseline survey	O&M / Water Management O&M / Water Management / Capacity Development	(5) Core C/Ps to work with the Japanese Expert Team at			
1-3. To identify problems of IWUO supporting systems through baseline survey	6) Farm Management 7) Coordination/Training	2. Project Office (RAB in Kigali, and Station Offices in			
1-4. To select model sites upon the approval at JCC	(2) Short-term Experts - Support for IMT Promotion	the two provinces) 3 Local Operation / Activity Cost			
1-5. To implement the activities addressing to the above- noted problems	2 Counterpart Training	Electricity / Water fees in offices Internet environment			
1-6 To monitor the progress	Japan Third country	Transportation costs of C/Ps Cost for Communication			
1-7. To draft IMT implementation manuals for IMT procedures, support system (including division of roles).	3. Provision of Equipment • Equipment needed for project implementation				
support contents and monitoring					
1-8. To help C/Ps to draft proposal of amendment of the IWUO Policy and Strategy, and the Ministerial Order					
2-1. To analyse the current situation in order to identify problems (e.g. IWUO registration, by-laws and regulations,					
IMTA conditions, collaboration with cooperatives, water rights and etc.) through baseline survey					
2-2. To elaborate the draft improvement plan of IWUO management (e.g. leadership, accounting, general				7	
assembly & executive committees, collaboration with cooperatives, and etc.) based on the activity as written 2-1			Pre-Conditions		
2-3 To train C/Ps as trainers based on the improvement plan			Basic agreement is made between MINAGRI and MINALOC for the expected collaboration in the project.	-	
2-4 To draft IWUO management improvement manuals			minacoo for the expected consporation in the project.		
2-5. To conduct IWUO training by C/P trainers in the model sites					
2-6. To improve the draft manuals based on the					
implementation of activity written as 2-5 2-7. To set up monitoring and evaluation system for IWUO					
management					
2-8. To implement monitoring and evaluation on relevant activities					
3-1. To analyse the current situation in order to identify problems of operation and maintenance (O & M) through					
baseline survey					
3-2. To claborate the draft improvement plan of O & M in the model sites based on the activity as written 3-1	1				
3-3 To train C/Ps as trainers based on the improvement plan of O & M			page		
3-4. To draft O & M manuals					
3-5. To conduct IWUO training by C/P trainers in the model sites					
3-6. To improve the draft manuals based on the implementation of activity written as 3-5			< ssues and countermeasures>	-	
3-7. To implement monitoring and evaluation on relevant			• Relocation of "The HOS from Nigari to Haye District.		
activities 4-1. To analyse the current situation in order to identify			was announced in July 2019. WAMCAB office was temporarily relocated to SPIU/MINAGRI office in Kigali on 14th January 2020, and then relocated to the new		
problems of water management through baseline survey			RAB HQs in Huye on 4th February 2020.		
4-2 To elaborate the draft improvement plan of water management in the model sites based on the activity as written 4-1			 In addition to WAMCAB office at RAB HQs, JICA team will request the station offices in two provinces as mentioned in R/D. 	1	
4-3. To train C/Ps as trainers based on the improvement			National WAMCAB Budget for local operation and		
plan of water management 4-4. To draft water management improvement manuals			activity cost has been approved for the latter half of Rwandan fiscal year 2019/2020 (January 2020 to June		
4-5. To conduct IWUO training by C/P trainers in the model			2020). However, the process of payments for TF members who attended the TF meetings has taken long time, which can affect negative impacts to the project		
sites 4-6. To improve the draft manuals based on the			activities. On the other hand, based on the suggestions from the TF members of districts, Memorandum of		
implementation of activity written as 4-5			Understanding (MoU) between RAB, District and the Project has been concluded in the 2nd JCC meeting.		
4-7. To implement monitoring and evaluation on relevant activities			JICA team will keep supporting the appropriate execution.		
5-1 To analyse the current situation in order to identify problems of agricultural extension and farm management			 As reported in M/S#1, on 11th September, JICA team was informed by Chief Implementer that the contract of 		
through baseline survey 5-2 To extract suitable methodologies from lessons learns			contractual officers with RAB would be suspended from 1st October. However, their contract is being extended up until now. JICA team will keep working to grasp the		
through relevant projects			situation. In parallel, the implementation structure was considered with C/Ps.		
5-3. To train C/Ps as trainers based on the suitable methodologies.					
5-4. To elaborate farm management training texts					
5-5. To conduct training by C/P trainers in the model sites	1				









Project Monitoring Sheet II (Revision of Plan of Operation)

Inputs	a partition	uilding in R		Year	2019	2020		020		777	2022	2022	2023	202			
					Jul Aug Sep Oct No	ov Dec Jan Feb Ma	ar Apr May Jun Jul A	ug Sep Oct Nov Dec Jan Feb	Mar Apr May du	n Jul Aug Sep Oct Nov Dec Jan Fe	b Mai Apr. May Jun Ju	Aug Sep Oct Nov Dec Jan	Feb Mar Apr May Jun Jul		Feb Remarks	Issue	Solution
				Rwandan 2018/2019 Fiscal Year		2019/2020		2020/2021		2021/2022		2022/2023		2023/2024			
panese Expert				Pian	560.6				100						8 Japanese Experts have conducted project activities in accordance with the Work Plan and		
1) Chief Advisor / Irrigation Policy			The MACA STORY	Actual Plan	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							SECON .				Ngoma model site, Japanese experts in charge of 3) IWUO Mangement, 6) Farm Management and 7)	
2) Deputy Chief Advisor Littrigation Policy				Actual Plan												Coordination / Training were dispatched additinally.	
3) WUO Varagement			adamada a da a da a da a da a da a da a	Actual													
4) OSM / Water Management				Pass. Actual	1 1 1 1												
5) CSM / Water Management / Capacity Development				Plan. Actual							2000						
6) Fern Management			THE STATE	Pian													
				Actual Pian		The same						No.					
7) Conforation / Training				Actual Plan		10000				1 100					-		
8) Support for IMT Promotion				Actival	1 1 1 1 3										D Devicet Director was assigned by Seein	Chief Implementar has been absent from 21st	Contract of contractual officers with RAB is being
wandan Expert	1 1 1 1		1-1	Pian											Deputy Project Director was assigned by Proje Director on 9 April 2019	September to 12th October, because of his training in	extended up untill now.
9) Phoject Director / Deputy Project Director				Actual Plan											Project Manager was recruited on 12 April 201 Chief Implementer and core C/Ps at RAB HQs		Through JICA Rwanda office, the Project is cons with the counterpart organisation.
10) Project Maregor				Actusi											were assigned on 9 April 2019.	Chief implemetor that contract of contractual officers	The Project will also reconsider practical cascado
11) Chof Implementer				Pten Actual											Core C/Ps at station and district level were full assigned in June 2019.	with RAB, at its Central and Station offices, would be suspended from 1st October.	training system with remained C/Ps
17) Central CIP for Deparation and Maintenance				Plant S												Transmiss with the property	
13) Central CP for Water Management				Plan													
Programme and the second secon	0 9 4			Actusi Pian													
14) Certral CIP for Farm Management				Actual													
15) CIPs at station and district level				Fibri												Contains the former to the amount of the first	The Broket is considering but an additional scan
uipment	1 - 1 - 1 - 1		1 1 1 1 1 1	1 1 Flan											1 copy machine and 4 izptop computers were procured.	Due to the increase in the amount of work, the operating ability has decreased.	The Project is considering put an additional mem (RAM).
Copy machine				Actual													
Laptop computer	181012			Pioti Actual			++++										
raining in Japan															Knowlegde Co-Creation Program on Irrigation Water Management and Nutrition Improvemen		
				Pten											Policy is planned to be held in the end of April	to	
-country/Third country Training				Actual											the beginning of May 2020. Training in Tanzania for Water Management as		
1-country ranning				Pten											O&M is being planned	rd .	
				Actual					1 1 1 1						The state of the s		
Activities											2000	2022	2022	1 201	24 Decrease his Decreased on		
	Japa	nese Expert	Rwandan Expe	ert Year	2019	2020		2020		2021	2022	2022	2023	200		Achievements	Issue & Countermeasures
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				E) [91]					May Jun Ju		Oct Nov Dec					w Dec Jan	eb Mar Apr	May Jun .	d Aug Sep	Oct Nov D	Dec Jan Feb	Mar Apr May	Jun Jul	Aug Sep Oct Mc	v Dec Ja	an Feb Mar	Apr May Jun	Jul Aug Se	Det Nov. De	c Jan Feb	Japan GoR	Achievements	issue a Countermeasures
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To analyze the current situation in order to identify problems of peration and maintenance (O&M) through baseline survey	*	* *		*			Plan	ual																								from the commencement of the Project and baseline survey from Jun. to Sep. 2019. The concept of Improvement Plan/Training Plan was	
3.2 To elaborate the draft improvement plan of Q&M in the model sites based on the activity as written 3.1	*	* *		*			Pior																									shared with TF members through workshops and the 2nd TF meeting in Aug. 2019.	
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4. To draft O&M manuals		* *	*	*			Ptot Actu	m .	+																							ditto	
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7. To implement monitoring and evaluation on relevant activities		* *	*				Acti	tiet	#					11					111									11					
sut 4: Water management is properly implemented in the model site	es,			11		TT	Pas				11		TIT	11	11	111	111	TIT	111	11			TIT		TI	TIT		TI	TIT	TT		The Project implemented basic information collection	
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To draft water management improvement manuals		* *	*	*			Plac	n				55 460																				ditto	
5 To conduct IWUO training by C/P trainers in the model sites	*	* *	*				Place																										
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ut 5: Farm management is properly implemented in the model site	S,																															-	
To analyse the current situation in order to identify problems of griculfural extension and farm management through baseline urvey			*				Pin	\pm																								The Project implemented basic information collection from the commencement of the Project and baseline survey from Jun. to Sep. 2019. In addition, the production record of cooperatives were collected and	
5.2.To extract suitable methodologies from lessons learnt through	1			+	++	++-	Flar	n						m																		the necessary survey on farming was conducted. Information from the relevant projects has been	
levant projects	+		* *	+	+	++	Actu Plas	ual st				200								e de la	er besteret											collected	
To train C/Ps as trainers based on the suitable methodologies	-	-	* *	++	-	++	Acts					PR -																				The draft manuals were prepared through discussion	
5.4. To elaborate farm management training texts	++-	+	* *	++	++	++	Actu	V2008												SELECTION OF					1							In order to examine a new implementation structure,	
5.5 To conduct training by C/P trainers in the model sites			* *				Pfar																									pre-training was conducted in February 2020. The mai implementor in the new structure was not C/Ps but WAMCAB experts and field collaborators in the future. C/Ps (TF members) are mainly responsible for M/E.	in
5.6. To implement monitoring and evaluation on relevant activities			*	1	11	11	Plac																							EU E		For above-mentioned pre-training, ME indicators were prepared by applying Kirkpatrick method. After implementing ME in the pre-training, the results were	
							Actu	ual.								111												11				shared and discused with C/Ps.	
tration / Phasing							Piar		and the same of the same of		rey/Planning		<u> </u>	E/Toyle				nnical Guida			194				-		and Extension		Phase	, - A - O	First Phase will finish and Second Phase will start one month ahead of the schedule.		
							Actu		First P		//Planning Pl	_	1 1 1					202	1-1-1		202	2		2022	1		20:			2024			
onitoring Plan							Yes	Apr. A	May Jun Ju	2019 Aug Sep	Oct Nov Dec	Jan Feb Ma	ar Acr May	Jun Jul Aug	Sen Oct No	or Dec Jan I	et Mar Apr	May Jun 3	ul Aug Sep	Oct Nov D	Dec Jan Feb I	Var Apr May	Jun Ju	Aug Sep Oct No	v Dec Ja	n Feb Mar			Oct Nov De		Remarks	Achievements	Issue & Countermeasures
nitoring							Piar	78	08	+++						100		Heel		1 10					100	+		++	+++			RGB was recommended to be a JCC member at the	RGB agreed to be an observer of JCC instead
Joint Coordinating Committee							Actu						1 1				++	1-8-	++	- 19				+++					H + t		1st and 2nd JCC meetings were organized on 8 May and 15 December 2019 respectively.	Gisagara district was selected as one of the three	member.
		-					Plac				19-33					1	++			$\pm \pm \pm$											Work Plan, i.e. detailed Plan of Operation, was authorized by DG/RAB on 6 June 2019 and	model areas.	
Set-up the Detailed Plan of Operation							Actu					141																			delivered to JCC members. 1st, 2nd, 3rd and 4th Tr meetings were		
Task Force Meeting							Acto				18	317																			organized on 28th June, 30th August, 29th November 2019 and 14th February 2020	4	
Submission of Monitoring Sheet							Plan	100										The state of the s													JCC members confirmed the project outputs an activities, and the Monitoring Sheet #01 and #07 were finalized	1	Because of absence of Japanese side experi- Chief Implementer from September to early C and in order to discuss the Monitoring Sheet during the 2nd JCC meeting in November, the team postponed submission of the Monitoring from September to November 2019
Monitoring Mission from Japan							Plan																										
oint Monitoring							Pior	CONTROL OF																	2178						in the 2nd JCC meeting, C/Ps and stakeholders discussed and confirmed the project progress.		
ost Monitoring							Par										1-1-							+						-	in 2027 (3 years after the termination)		
orts/Documents																															Donate the absence of absence Court		
rogress Report							Plan	test																							Due to the change of phasing, Progress Report of the 1st Phase will be submitted by 5th March 2020.		
Project Completion Report							Plet																							1000			I I I
ic Relations							Pian Actu	n e		1 1		1 1																					
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TO CR of JICA RWANDA OFFICE

PROJECT MONITORING SHEET

Project Title: Project for Water Management and Capacity Building (WAMCAB)

Version of the Sheet: Ver.3 (Term: April 2020 - November 2020)

[Japanese side] Name: Norio KUNIYASU

Title: Chief Advisor / Irrigation Rollie

[Rwandan side] Name: Emile RUZIBIZA

Title: Project Manager

Submission Date: 18th December

I. Summary

1 Progress

1-1 Progress of Inputs

Japanese side

- Technical inputs remotely provided by the experts: (1) Chief Advisor / Irrigation Policy,
 (2) Deputy Chief Advisor / Irrigation Policy, (3) IWUO Management, (4) Water Management / O&M, (5) Water Management / O&M / Capacity Development, (6) Farm Management, (7) Coordinator / Training, (8) Support for IMT Promotion
- As JICA has suspended all overseas business trip of JICA experts engaged in JICA's technical cooperation projects affected by the Coronavirus Disease 2019 (COVID-19) outbreak, the JICA Headquarters and Chief Advisor agreed on that all Japanese assignments until the end of March 2021 shall be conducted remotely from Japan. Reference is made to the letter sent to RAB by the JICA Rwanda Office on 19th May 2020 (Ref. No. JRW20-05002) and 21st October 2020 (Ref. No. JRW20-10050).
- Under these circumstances, to ensure the achievements and improve the added value
 of the Project, additional work such as i) radio broadcasting training, ii) webinar (web
 seminar), and iii) video study tour were planned.
- Local experts: (1) Coordinator / IWUO Officer, (2) Irrigation Engineer, (3) Agronomist,
 (4) Assistant IWUO Officers (at Kigali and Rwamagana)
- Considered the inconveniences caused by the temporary measure to cope with the COVID-19 situation, the JICA Headquarters and Chief Advisor agreed on the additional inputs of three local experts, i.e. (5) Assistant IWUO Officer, (6) Assistant Irrigation Engineer, (7) Assistant Agronomist, from June 2020 until May 2021.
- Considered the budget limitation on RAB projects affected by the COVID-19 outbreak,

the JICA Headquarters and Chief Advisor agreed on the temporary payment by the Japanese side for the local operation and activities cost (transportation fees) to those who participate in the project training, study tour, etc. at the farmers' level during the Rwanda fiscal year of 2020/21 (from July 2020 to June 2021).

Rwandan side

- Assignment of counterparts (C/Ps): (1) Project Director, (2) Deputy Project Director,
 (3) Project Manager, (4) Chief Implementer, (5) Task Force (TF) members at central,
 station, and district level
- Project office at RAB HQs in Rubona / Huye
- Under the budget limitation on RAB projects affected by the COVID-19 outbreak, the local operation cost for the Joint Coordinating Committee (JCC) and Task Force (TF) meeting of WAMCAB has been covered by the recurrent budget of RAB.

1-2 Progress of Activities

Activity 1

- Activity 1.1 To identify problems of the current implementation of IMT procedures through baseline survey
- Activity 1.2 To identify problems of division of roles for the promotion of IMT and supports of IWUOs through baseline survey
- Activity 1.3 To identify problems of IWUO supporting system through baseline survey
- Activity 1.4 To select model sites upon the approval at JCC
- (Progress) As reported in M/S #1 and #2 in Phase I, the Project identified problems through basic information collection and baseline survey. The four (4) model sites including eight (8) irrigation schemes were officially approved at the 2nd JCC meeting on 15th November 2019. Besides, based on the proposal by Gisagara District, Nyiramageni scheme has been involved in the training activities as a satellite scheme of the Ngiryi model site.
- Activity 1.5 To implement the activities addressing to the above-noted problems
- Activity 1.6 To monitor the progress
- Activity 1.7 To draft IMT implementation manuals for IMT procedures, support system (including division of roles), support contents and monitoring
- Activity 1.8 To help C/Ps to draft proposal of amendment of the IWUO Policy and Strategy, and the Ministerial Order
- (Progress) As reported in M/S #2 in Phase I, the Improvement Plan / Training Plan was finalized based on the identified problems in *Activity 1.1*. According to the Plans, the discussion has started to prepare the draft proposal of amendment



of the IWUO Policy and Strategy and the Ministerial Order. Besides, the first and second webinars by a Japanese expert in charge of Support for IMT Promotion was organized on 23rd October and 27th November 2020.

Activity 2

- Activity 2.1 To analyse the current situation in order to identify problems through baseline survey
- Activity 2.2 To elaborate the draft improvement plan of IWUO management based on the activity as written 2.1.
- Activity 2.4 To draft IWUO management improvement manuals
- (Progress) As reported in M/S #1 and #2 in Phase I, the Project identified problems through basic information collection and baseline survey, and finalize the Improvement Plan / Training Plan and the draft manuals. At the beginning of Phase II, the Plans were reviewed and prioritized according to the current status of each model site.
- Activity 2.3 To train C/Ps as trainers based on the improvement plan
- Activity 2.5 To conduct IWUO training by C/P trainers in the model sites
- Activity 2.6 To improve the draft manuals based on the implementation of activity written as 2.5.
- (Progress) The Project has proposed "9 steps" as the process to capacitate IWUO based on the actualization of the Ministerial Order, and supported to organize / reorganize all four (4) IWUOs in the model sites namely Ngoma, Rwamagana, Ngiryi, and Nyabuyogera by a bottom-up approach in cooperation with the Core C/Ps and TF members.

During the process, based on the Improvement Plan / Training Plan, the Project has conducted "Leadership Training" and "Financial Management Training" by utilizing the existing RAB modules.

Besides, the Project strongly supported the registration of the newly established IWUO in Rwamagana model site.

- Activity 2.7 To set up monitoring and evaluation system
- Activity 2.8 To implement monitoring and evaluation on relevant activities
- (Progress) As the first step of the M&E by Kirkpatrick method, questionnaire surveys have been conducted. In order to conduct a series of training properly for the organized / reorganized IWUOs, the Project will also implement comprehension tests and follow-up interviews as the second and third steps



of the M&E as well as the questionnaire surveys.

Activity 3

- Activity 3.1 To analyse the current situation in order to identify problems of operation and maintenance (O&M) through baseline survey
- Activity 3.2 To elaborate the draft improvement plan of O&M in the model sites based on the activity as written 3.1.
- (Progress) As reported in M/S #1 and #2 in Phase I, the Project identified problems through basic information collection and baseline survey, and finalize the Improvement Plan / Training Plan and the draft manuals. At the beginning of Phase II, the Plans were reviewed and prioritized according to the current status of each model site.
- Activity 3.3 To train C/Ps as trainers based on the improvement plan of O&M
- Activity 3.5 To conduct IWUO training by C/P trainers in the model sites
- (Progress) Based on the Improvement Plan / Training Plan, the Project has conducted a series of activities as follows:
 - · Basic Civil Work Training in all four (4) model sites
 - · Farm Road Repair Training in Ngoma and Ngiryi model sites
 - · Support of secondary canal construction in Rwamagana model site
 - · Facility inspection and support of community work in each model site
 - · Hydrant Repair Training in Ngoma model site
- Activity 3.4 To draft O&M manuals
- Activity 3.6 To improve the draft manuals based on the implementation of activity written as 3.5.
- (Progress) N/A regarding Activity 3.4 and 3.6
- Activity 3.7 To implement monitoring and evaluation on relevant activities
- (Progress) As the first step of the M&E by Kirkpatrick method, questionnaire surveys have been conducted. In order to conduct a series of training properly, the Project will also implement comprehension tests and follow-up interviews as the second and third steps of the M&E as well as the questionnaire surveys.

Activity 4

Activity 4.1 To analyse the current situation in order to identify problems of water management through baseline survey



- Activity 4.2 To elaborate the draft improvement plan of water management in the model sites based on the activity as written 4.1.
- (Progress) As reported in M/S #1 and #2 in Phase I, the Project identified problems through basic information collection and baseline survey, and finalize the Improvement Plan / Training Plan and the draft manuals. At the beginning of Phase II, the Plans were reviewed and prioritized according to the current status of each model site.
- Activity 4.3 To train C/Ps as trainers based on the improvement plan of water management
- Activity 4.5 To conduct IWUO training by C/P trainers in the model sites
- (Progress) Based on the Improvement Plan / Training Plan, the Project has conducted a series of activities as follows:
 - · Water Management Training in Ngoma model site
- Activity 4.4 To draft water management improvement manuals
- Activity 4.6 To improve the draft manuals based on the implementation of activity written as 4.5.
- (Progress) N/A regarding Activity 4.4 and 4.6
- Activity 4.7 To implement monitoring and evaluation on relevant activities
- (Progress) As the first and second step of the M&E by Kirkpatrick method, questionnaire surveys and comprehension tests have been conducted. The Project will also implement follow-up interviews as the third step of the M&E in the future.

Activity 5

- Activity 5.1 To analyse the current situation in order to identify problems of agricultural extension and farm management through baseline survey
- Activity 5.2 To extract suitable methodologies from lessons learnt through relevant projects
- (Progress) As reported in M/S #1 and #2 in Phase I, the Project identified problems through basic information collection and baseline survey, and finalize the Improvement Plan / Training Plan and the draft manuals. At the beginning of Phase II, the Plans were reviewed and prioritized according to the current status of each model site.
- Activity 5.3 To train C/Ps as trainers based on the suitable methodologies



Activity 5.5 To conduct training by C/P trainers in the model sites

(Progress) Based on the Improvement Plan / Training Plan, the Project has conducted a series of activities as follows:

- · Compost training by utilizing the soil analysis data in all four (4) model sites
- · Reorganization of cooperatives in Ngoma and Nyabuyogera model sites
- · Proximity coaching for chili and chia seeds cultivation in Ngoma model site
- · Study tour to learn about contract farming for Kotungo Cooperative
- Cooperative Management and Gender Mainstreaming Training in all four
 (4) model sites
- Marketing Training (Market-oriented agriculture) for horticulture cooperatives in Ngoma and Nyabuyogera model sites

Activity 5.4 To elaborate farm management training texts

(Progress) The Project has utilized the texts and manuals by SMAP Project in all four (4) model sites

Activity 5.6 To implement monitoring and evaluation on relevant activities

(Progress) As the first and second step of the M&E by Kirkpatrick method, questionnaire surveys and comprehension tests have been conducted. The Project will also implement follow-up interviews as the third step of the M&E in the future.

1-3 Achievement of Output

- Output 1 Irrigation Management Transfer (IMT) procedure, support system (including the roles of stakeholders), and contents of support to IWUO and procedures of monitoring are identified.
- To ensure the achievements and improve the added value of the Project, the first and second Webinar was organized as additional work.

Output 2 IWUO management is enhanced in the model sites.

- All four (4) IWUOs in the model sites were organized / reorganized.

Output 3 Operation and maintenance are properly implemented in the model sites.

 A series of training and activities have been conducted according to the Improvement Plan / Training Plan.

Output 4 Water management is properly implemented in the model sites.

A series of training and activities have been conducted according to the Improvement

W

Plan / Training Plan.

Output 5 Farm management is properly implemented in the model sites.

 A series of training and activities have been conducted according to the Improvement Plan / Training Plan.

1-4 Achievement of the Project Purpose

<u>Project Purpose</u> The capacity of irrigation scheme management improves in the model sites.

- Based on the Improvement Plan / Training Plan, a series of training and activities have been conducted.
- The Project proposed the revised Objectively Verifiable Indicators and Means of Verifications in cooperation with TF members, and these will be agreed by JCC members as described in 3-2.

1-5 Changes of Risks and Actions for Mitigation

 For the prevention measures against COVID-19, the Project follows the rules and guidance by the cabinet resolutions. The Project shall continue to take necessary measures as the situation changes.

1-6 Progress of Actions undertaken by JICA

- As indicated in 1-1, JICA has suspended all overseas business trip of JICA experts engaged in JICA's technical cooperation projects affected by the COVID-19 outbreak, the JICA Headquarters and Chief Advisor agreed on that all Japanese assignments until the end of March 2021 shall be conducted remotely from Japan.
- Under these circumstances, to ensure the achievements and improve the added value of the Project, additional works were arranged.

1-7 Progress of Actions undertaken by Gov. of Rwanda

The Government of Rwanda, through the Cabinet, Ministry of Health, and other responsible authorities, reviewed measures to contain the spread of the COVID-19 pandemic and instructed necessary actions.

1-8 Progress of Environmental and Social Considerations (if applicable) N/A

1-9 Progress of Considerations on Gender/Peace Building/Poverty Reduction (if

applicable)

N/A

1-10 Other remarkable/considerable issues related/affect to the project (such as other JICA's projects, activities of counterparts, other donors, private sectors, NGOs, etc.)

- The C/Ps applied the national WAMCAB budget of the Rwandan fiscal year of 2020/21 for the local operation and activity cost. However, due to the budget restriction affected by COVID-19, the budget has not been secured yet. The necessary operation and activity costs for JCC and TF meeting have been covered by the recurrent budget of RAB.
- The new organizational structure of RAB has been announced by the Prime Minister's Order No. 096/03 on 14th August 2020. Although it does not have a big impact on the Project, the structure and list of SIPU (Single Implementation Project Unit), to which the Core C/Ps belong, have not been finalized.
- The Government of Rwanda and the Government of Japan agreed in August 2019 on the provision of "Sector Policy Loan for the Nutrition Improvement through Agriculture Transformation". RAB and JICA have been conducting the necessary preparation process to develop a crop calendar that will be adopted to sustainably avail nutritionsensitive food crops in the selected irrigation schemes of the target districts.

2 Delay of Work Schedule and/or Problems (if any)

2-1 Detail

 The radio broadcasting and video study tour are likely to be delayed by 2 to 3 months for the following reasons.

2-2 Cause

- In order to follow the necessary measurements against COVID-19 such as movement restriction and limitation of gathering people, the Project needs to increase the number of training and workshops and to make plans with room for adjustment.
- Administrative procedures such as the signing process are slightly delayed because the Headquarters of RAB and the Project office are irregularly changed due to the measures against COVID-19.
- To respect the schedule and initiative of the C/P side, there are slight delays in the 3rd and 4th JCC, and the 5th to 7th TF meetings.
- The physical difficulty of shooting for the video study tour due to weather conditions.
- Based on a proposal from C/P, the Project has started the coordination with MINAGRI



to collaborate the radio broadcasting.

2-3 Action to be taken

- The contents and detailed scripts for the radio broadcasting were already finalized. The Project will begin radio broadcasting as soon as the coordination procedure with MINAGRI is completed.
- The video study tour will be organized together with the 7th TF meeting in December 2020.

2-4 Roles of Responsible Persons/Organization (JICA, Gov. of Rwanda, etc.)

3 Modification of the Project Implementation Plan 3-1 PO

Work Plan of phase 2 period which includes Plan of Operation has been discussed and agreed upon at the 3rd JCC meeting in August 2020.

3-2 Other modifications on detailed implementation plan

(Remarks: The amendment of R/D and PDM (title of the project, duration, project site(s), target group(s), implementation structure, overall goal, project purpose, outputs, activities, and input) should be authorized by JICA HDQs. If the project team deems it necessary to modify any part of R/D and PDM, the team may propose the draft.)

- Based on the discussions and consensus with TF members, objectively verifiable indicators for the Project Purpose will be proposed and approved at the 4th JCC meeting as follows:
 - Indicator 1: "The level of <u>organizational capacity</u> of IWUOs in the model sites increases to <u>70% or more</u> through the improvement of IMT procedures and the IWUO-Support system."
 - Indicator 2 "All high-priority agreed plans (organizational operation, operation and maintenance, water management, and farm management) to improve the capacity of IWUOs in the model sites are implemented."
 - Besides, the Means of Verifications for the Project Purpose will be proposed and approved at the 4th JCC meeting as follows:
 - Capacity Assessment of IWUOs in the model sites
 - Project progress reports (including monitoring and elevation reports)



4 Preparation of Gov. of Rwanda toward after completion of the Project N/A

II. Project Monitoring Sheet I & II as Attached

Annex I Project Monitoring Sheet I (Revision of PDM)

Annex II Project Monitoring Sheet II (Revision of PO)

Annex III Minutes of Memorandum for the 5th TF meeting

Annex IV Minutes of Memorandum for the 3rd JCC meeting

Annex V Minutes of Memorandum for the 6th TF meeting

Annex VI Progress Summary of Improvement Plan and Training Plan



Project Monitoring Sheet I (Revision of Project Design Matrix)

Project Title: Project for Water Management and Capacity Building in Rwanda

Period of Project: Five years (From 2019 to 2024)

Project Beneficiaries: RAB, Irrigation Water Users Organizations and Districts

Implementing Agency: Rwanda Agriculture and Animal Resources Development Board (RAB)

Version 1

Project Beneficiaries; RAB, irrigation water osers Organ	lizations and Districts				
Implementing Agency: Rwanda Agriculture and Animal I	Resources Development Board (RAB)			Dated 30th November, 2020	
Collaborative Agencies: Ministry of Local Government (F	MINALOC), District Authorities, Rwanda	Cooperative Authority (RCA), Rwanda	Governance Board (RGB)		the state of the s
Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumption	Achievement	Remarks
Overall Goal					
The models of schieme management by IWUOs are accepted in the target districts.	There is at least one scheme which follows the scheme management system to the least districts.	Interviewing to district officers in the target areas			
Project Purpose	A. Italy Island, He there				
The capacity of infigation scheme management improves in the model sites	The level of satisfaction of IWUOs in the model sites increase by X % through the improvement of IMT procedures and the IWUO-Support system. 2. The agreed plans (organizational operation, operation and maintenance, water management, and farm management) by IWUO are implemented with higher rates of X %.	Project progress reports (including monitoring and evaluation reports)	There is no drastic changes in officers at district and sector levels, especially for agriculture, irrigation and cooperative subsectors.	been conducted. • The Project proposed the revised Objectively Verificate Indicators and Means of Verifications in cooperation with TF members, and these will be agreed by JGC members.	
Outputs					
Irrigation Management Transfer (IMT) procedures,	IMT implementation manuals are approved at JCC.	JCC minutes		 To ensure the achievements and improve the added value of the Project, the first and second Webinar was organized as additional work. 	
IWUO management is enhanced in the model sites.	IWUO Management improvement manuals are approved at JCC.	JCC minutes		All four (4) IWUOs in the model sites were organized / reorganized.	
 Operation and maintenance are properly implemented in the model sites. 	Operation and maintenance manuals are approved at JCC.	JCC minutes		 A series of training and activities have been conducted according to the Improvement Plan / Training Plan. 	
Water management is properly implemented in the model sites.	Water management manuals are approved at JCC.	JCC minutes		 A series of training and activities have been conducted according to the Improvement Plan / Training Plan 	
Farm management is properly implemented in the model sites.	The extracted farm management methodologies are accepted in the	Project progress report		-A series of training and activities have been conducted according to the Improvement Plan /	

	The agreed plans (organizational operation, operation and maintenance, water management, and farm management) by iWUO are implemented with higher rates of X %.		
Outputs I. Irrigation Management Transfer (IMT) procedures, support system (including the roles of stakeholders), and contents of support to IWUO and procedures of monitoring	IMT implementation manuals are approved at JCC.	JCC minutés	
are identified 2. IWUO management is enhanced in the model sites.	IWUO Management improvement manuals are approved at JCC.	JCC minutes	
Operation and maintenance are properly implemented in the model sites.		JCC minutes	
Water management is properly implemented in the model sites.	Water management manuals are approved at JCC.	JCC minutes	
5. Farm management is properly implemented in the model sites.	The extracted farm management methodologies are accepted in the model sites.	Project progress report	
Activities	the state of the s	outs	Important Assumption
1-1. To identify problems of the current implementation of IMT procedures through baseline survey	(1) Input by Japanese side 1. Dispatch of Experts (1) Regular Team Experts	(2) Input by Rwandan side 1. Assignment of C/Ps (1) Project Director	
1-2. To identify problems of division of roles for the promotion of IMT and supports of IWUOs through baseline survey 1-3. To identify problems of IWUO supporting systems through baseline survey 1-4. To select model sites upon the approval at JCC 1-5. To implement the activities addressing to the abovenoted problems	Chief Advisor / Irrigation Policy Deputy Chief Advisor / Irrigation	(2) Deputy Project Director (3) Project Manager (4) Chief Implementor (5) Core C/Ps to work with the Japanese Expert Team at central, station, and district levels 2. Project Office (RAB in Kigali, and Station Offices in the two provinces) 3. Local Operation / Activity Cost - Electricity / Water fees in offices - Internet environment	
1-6. To monitor the progress	2. Counterpart Training · Japan	Transportation costs of C/Ps Cost for Communication	
1-7. To draft IMT implementation manuals for IMT procedures, support system (including division of roles), support contents and monitoring	Third country Provision of Equipment Equipment needed for project		
1-8. To help C/Ps to draft proposal of amendment of the IWUO Policy and Strategy, and the Ministerial Order	Implementation		
2-1. To analyze the current situation in order to identify problems (e.g. IWUO registration, by-laws and regulations, IMTA conditions, collaboration with cooperatives, water rights and etc.) through baseline survey	_		
2-2. To elaborate the draft improvement plan of IWUO management (e.g. leadership, accounting, general assembly & executive committees, collaboration with cooperatives, and etc.) based on the activity as written 2-1			Pre-Conditions
2-3. To train C/Ps as trainers based on the improvement plan			Basic agreement is made between MINAGRI and MINALOC for the expected collaboration in
2-4. To draft IWUO management improvement manuals			the project.
2-5. To conduct IWUO training by C/P trainers in the model sites			
2-6. To improve the draft manuals based on the			
implementation of activity written as 2-5 2-7. To set up monitoring and evaluation system for IWUO			
management 2-8. To implement monitoring and evaluation on relevant			
activities			
3-1 To analyse the current situation in order to identify problems of operation and maintenance (O & M) through baseline survey 3-2 To elaborate the draft improvement plan of O & M in			
the model sites based on the activity as written 3-1 3-3. To train C/Ps as trainers based on the improvement plan of O & M			4.7
3-4 To draft O & M manuals			عالك ا
3-5. To conduct IWUO training by C/P training in the model sites			
3-6. To improve the draft manuals based on the implementation of activity written as 3-5			ssues and countermeasures
3-7. To implement monitoring and evaluation on relevant activities			As JICA has suspended all overseas business trip of JICA experts engaged in JICA's
4-1. To analyse the current situation in order to identify			technical cooperation projects affected by the COVID-19 outbreak, the JICA Headquarters
problems of water management through baseline survey. 4-2. To elaborate the draft improvement plan of water management in the model sites based on the activity as written 4-1.			and Chief Advisor agreed on that all Japanese assignments until the end of March 2021 shall be conducted remotely from Japan. Reference is made to the letter sent to RAB on 19th May
4-3. To train C/Ps as trainers based on the improvement			2020 (Ref. No. JRW20-05002) and 21st October 2020 (Ref. No. JRW20-10050)
plan of water management 4-4. To draft water management improvement manuals			Under these circumstances, to ensure the achievements and improve the added value of
4-5. To conduct IWUO training by C/P trainers in the model sites			the Project, additional work such as i) radio broadcasting, ii) webinar and iii) video study tour were planned.
4-6. To improve the draft manuals based on the			-The C/Ps applied the national WAMCAB
implementation of activity written as 4-5 4-7. To implement monitoring and evaluation on relevant			budget of the Rwandan fiscal year of 2020/21 for the local operation and activity cost. However, due to the budget restriction affected
activities 5-1. To analyse the current situation in order to identify problems of agricultural extension and farm management through baseline survey.			by COVID-19, the budget has not been secured yet. The necessary operation and activity cost for JCC and TF meeting have been covered by the recurrent budget.
5-2. To extract suitable methodologies from lessons learnt			•The new organizational structure of RAB has
through relevant projects 5-3. To train C/Ps as trainers based on the suitable			been announced by the Prime Minister's Order No. 096/03 on 14th August 2020. Although it does not have a big impact on the Project, the
methodologies			structure and list of SIPU (Single Implementation Project Unit), to which the Core
5-4. To elaborate farm management training texts 5-5. To conduct training by C/P trainers in the model sites.		11	C/Ps belong, have not been finalized.
5-6. To implement monitoring and evaluation on relevant			
activities			



Project Monitoring Sheet II (Revision of Plan of Operation)

Project Title: Project for Water Management and Capacity Building in Rwanda an Jat Aug Sep. Oct Nov. Dec. Jan Fra Star, Apr. May Jan. Jat Aug Sep. Oct Nov. Dec. Jan. Remarks Solution JICA HQ and Chef Anissy agreed on that all Jaganese assignments until the end of James are conducted remainder from Japan Fais of 24 Aprills. JICA HQ and fine H Anissy agreed on that all Japaneses assignments until the end of September are conducted remailer from Japaneses and of September are conducted remailer from Japaneses are set of September are conducted remailer from Japaneses are set of September and ordinal across such as radio toxide cation, we bring a radio of 13 Marys. JaJCA HQ and Chef Anisso agreed on that all Japaneses assignments until the end of Match 2021 are consucted emotify from Japaneses and Match 2021 are consucted emotify from Japanese and Match 2021 are consucted. UICA HQ and Chief Advisor agreed on that all Jacanese Deputy Crief Advisor : Imgorian Policy O&M I Water Wangement F. DKM / Water Management / Gapuicity Development 7) Coordination / Traveling 6) Support for BAT Promotion Deputs, Project Director was assigned by Project Director on 9 April 2019.

Project Manager was recruited on 12 April 2019.
Chief Implemente and core CPP at RAB HOs were assigned on 9 April 2019.

Core CPPs at Station and district level were fully assigned in June 2019. andan Expert Project Director | Deputy Project Director 10) Project Manager Crief brolementer 13) Central CIS for Water Management 14) Central CIP for Farm Management It copy machine and 4 leptor computers were procured.

To increase the operating axide, the Project put an additional memory (RAM), and confirmed is used for the delayed.

Journal of the travel from the procure of the project put and additional memory (RAM), and confirmed is used for the delayed. S; C/Ps at simble and sinting level Due to the global pandemic of COVID-19, the KCCP in Japan has been postponed. Khoekeyde Co-Creation Program on Impation
Wales Management and flustration in opcomment
Protecy in planned to the felt in the end of Apatio
the beginning of May 2020. Plas Actual untry/Third country Training Plan
Actual Activities
Sub-Activities
Output 1: Projection Management Transfer (IMT) procedures, suppo haue & Countermeasures The Project implemented basic information callection from the commissionment of the Project and basis ne survey from Jun. to Sep. 2019. Same as 1,1 To identify problems of the current implementation of IMT procedures through baseline survey * * 1.2. To identify problems of avision of roles for the promotion of the and supports of IVUOs through baseline survey
1.3. To dentify problems of IVUO supporting systems through Samile do 1.1

Based on the review of basic miramation collection and the results of basicies university, excelshaps and the 2nd TF meeting view help in Aug. 2017. The members and the Project learn broadly agreed on model sites in each called.

The final decision was made in the 2nd JCC meeting in Nav 2019. 1.4. To select model sites upon the approval at JCC. The interest and Nov. 2019.

The concept of Improvement Plan/Training Plan was shared with TF members through workshops and the 2nd TF meeting in Aug. 2019. 1.5. To implement the activities addressing to the above-noted If El meriling in Aug. 2019.

Same as 1.5

In ordar to prepare craft implementation manuals, the authors was started in advance.

The first and section of the August Charlest (with the first and section with August Charlest Carlo Charlest and 27th August Charlest Carlo Charlest and 27th August Charlest Carlo Charlest and 27th August Charlest C 1.8. To nelp C/Ps to thell proposal of amendment of the fVUO Policy and Strategy, and the Ministerial Order The Project implemented basic information collection from the commencement of the Project and baseline * troot the continencement of the Project and observe survey from Jun 16 Sep. 2019. The concept of Improvement Plan/Training Plan was shared with TF members through workshops and the Zri TF meeting in Aug. 2019. Training of CIPs is being prepared based on the 2.2.To eliborate the draft improvement plan of fWUO management based on the activity as written 2.1 2.3. To train C/Ps as trainers based on the improvement plan improvement plan. The draft manuals were prepared through discussions: 2.4. To draft IWUO management improvement manuals * 2.5. To conduct fWUO training by C/P trainers in the model sites. 2.6. To improve the draft manuals based on the implementation of activity written as 7.5 2.7.To set up monitoring and evaluation system for IWUO 2.8. To implement monitoring and evaluation on relevant activities



	Incomes		1 6	and Erest	1 0000	20	40.		2020	40.04		4444		-									
Sub-Activities	21 3) 4)	S (5) (7)	E) 9) 10;	wandan Erpert 11) 12) 131 14)	Year 15) Month Ao	or May Am ad A	g Sen Out it	Nov. Dir. Jan. Fel	2020 eb. Mar. Apr. May Jur	2020 h. LAA LAug Sep Cot	Nev Dec Jan Feb Mar.	Apr. Um Jun Jun Aug.	ep Det Nov. Dec Jac. 16	ab. Mw Acr. Ma	2022	Nor. Det. Jan.	Feb. Mar. Apr. May	2023 Jan Jak Aug 3	es. Oct Nev. Dec.	2024		Achievements	Issue & Countermeasures
sut 3: Operation and maintenance are properly implemented in the mo	del sites.	11		1111	Plan	1-1-1-1	1-1-1			1 1 1 1		1:11	11.11	1 1	17111	11		1 1 1 1	1 : 1	-		The Project implemented basic information collection	
3.1. To analyze the current situation in order to identify problems of operation and maintenance (C&M), through baseline survey	* *	*	*		Actual			-											+			from the commencement of the Project and baseline survey from Jun. to Sep. 2019.	
3.2 To eleborate the draft improvement plan of O&M in the model sites					Plan																	The concept of Improvement Plan/Training Plan was	
based on the activity as written 3.1	1 7	-			Astual	1.5				1-1-1-1-				-7.3								shared with TF members through workshops and the 2nd TF meeting in Aug. 2019.	
3.3. To train C/Ps as trainers based on the improvement plan of D&M	*	* *			Plan Actual														-			The draft manuals were prepared through discussion with C/Ps.	
3:4. To draft O&M manuals	*	* *	*		Actual			8.3														CPs. The draft manuals were prepared through discussion will CPs.	
3.5. To conduct MYUO training by C/P trainers in the model sites	*	* *			Plan Actual Plan Actual																	Training programs are being implemented.	
To incrove the draft manuals based on the implementation of activity written as 3, 5.		* *			Plan															1	-	The draft manuals are being prepared through discussion with CPs.	
3.7.To implement monitoring and evaluation on relevant activities	*	* *			Plan																	Time Or a.	
tput 4: Water management is properly implemented in the model sites.																							
4.1. To analyze the current situation in order to identify problems of water management through baseline survey.	* *	*	*		Ptan Ast _{rol}			1						-								The Project implemented basic information collection from the commencement of the Project and basic ine	
4.2. To elaborate the draft improvement plan of water management in		++-		-1	Plan					++++									+++	-		survey from Jun. to Sep. 2019. The concept of Improvement Plan/Training Plan was	
the model sites based on the activity as written 4,1	* *	*	*		Actual									1							-	shared with TF members through workshops and the 2nd TF meeting in Aug. 2019.	
4.3. To train C/Ps as trainers based on the improvement plan of water	*	* *			Plan Actual																	The draft manuals were prepared through discussion with	
management 4.4. To draft water management improvement manuals	*		*		Plan Actual																	C/Ps. The draft manuals were prepared through discussion will	
4.5. To conduct INIUO training by C/P trainers in the model sites	* *		\rightarrow	1111	Plan																	C/Ps. Training programs are being implemented.	
4.6 To improve the draft manuals based on the implementation of		* *		++++	Astuel Plan																	The draft manuals are being prepared through discussion	
activity written as 4.5 4.7.To implement impritoring and evaluation on relevant activities	1 2	*			Plan Actual					199												WPI C/Ps.	
tput 5: Farm management is properly implemented in the model sites.	115				Actual																		
					Plan																	The Project implemented basic information collection	
5.1.To analyse the current situation in order to identify problems of agricultural extension and farm management through baseline survey.		*						111									1-1-1-1					from the commencement of the Project and basefrie survey from Jun. to Sep. 2019, in addition, the production	
Information continued and restrictive indigendent chronic passence survey					Actual		Bound .															record of cooperatives were collected and the necessary survey on farming was conducted.	
5.2.To extract suitable methodologies from lessons learnit through			\rightarrow	+	Plan													++++	+++	++			
relevant projects	+				Actual Plan									177								Information from the relevant projects has been collected	
5.3. To train CIPs as trainers based on the suitable methodologies		* *			Actual		111	- 100 100 100		de de la												Training programs are being prepared.	
5.4. To elaborate farm management training texts		* *			Plan				1 15 1													The draft manuals were prepared through discussion will	
			+++												++++							In order to examine a new implementation structure, pre-	
5.5. To conduct training by C/P trainers in the model sites		100			Plan		111														Cooperative management and gender mainstreaming training were conducted for	training was conducted in February 2020. The main implementor in the new structure was not C/Ps	
5.5. To conduct training by CAF trainers in the model sites		* *			Actual		1 1 1														cooperatives in all four (4) model sites. Also, marketing training was conducted for a horticulturi	but WAMCAB expens and field collaborators in the future. CiPs (TF members) are mainly responsible for	
					No.																cooperative in Nyabuyogera model see.	ME.	
					Plan																	For above-mentioned pre-training, M/E indicators were	
5.8. To implement monitoring and evaluation on relevant activities		*		1-111-3	Actual											17						prepared by applying Kirkpatrick method. After implementing WE in the pre-training, the results were shared and discused with C/Ps.	
					Section 4		1 1 1	-1-1-1													1	shared and discused with C/Ps.	
uration / Phasing					The same of	First Ph	ase: SurveyiP	Manning Phase			Second Phase: T	echnical Guidance Phas			Third Ph	ase Institution	nalization and Exte	ension Preparation	n Phase		First Phase finished and Second Phase starts one		
uration / Phasing					Plan Actual	First Ph	ase: SurveyiP	Manning Phase	1 1 1		Second Phase: T	nchnical Guidance Phas			Third Ph	ase Institution	nalization and Exte	nsion Preparation	n Phase		First Phase frished and Second Phase starts one month whead of the schedule.		
uration / Phasing					Plan Actual Year	20	19		2020	2020		2021		2022	2022			2023		2024	month whead of the schedule.		Issue & Countermeasures
					Plan Actual Year	1-1-1-1	19		2020 eh Mar Apr. May Jur	2020 n. Jul Aug Sap Got			eo Ott No. Dec Jan I	2022 46 Mar. Apr. 518			nalization and Exte	2023		2024 Jan Fe	month whead of the schedule.		Issue & Countermeasures
lonitoring Plan					Plan Actual Year	20	19			2020 n. Jul Aug See Get		2021	ep Oct Nov. Dec. Jan 1	2022 60 Mar. Apr Ma	2022			2023		2024 : Jan Fe	Remarks In the first phase, 1st and 2nd JCC meetings were		Issue & Countermeasures
fonitoring Plan enitoring					Plan Actual Year	20	19			2020 n. Jul Aug Sap Go:		2021	eo Oct Nov. Dec. Jan. If	2022 so Mar. Apr. Ma	2022			2023		2024	month ahead of the schedule. Remarks In the first phase, 1st and 2nd 3CC meetings were organized. Sasagara district was selected as one of the three	Achievements a	Issue & Countermeasures
onitoring Plan					Plan Actual Year	20	19			2020 A. M. Aug. Sap. Gc:		2021	eo Out Nov. Dec. Jan. H	2022 65 May, Apr M5	2022			2023		2024 : Jan Fe	mouth alread of the schedule. Refinants Refinants in the first phase, 1st and 2nd ACC meetings were or provided and all all all all all all all all all al		Issue & Countermeasures
fonitoring Plan enitoring					Plan Actual Year Actual Plan	20	19			2020 n. 34 Aug Sap Get		2021	eo Out Nov. Dec. Jan 18	2022 40 Mar. Age Ma	2022			2023		2024 Jan Fe	month shead of the schedule. Remarks In the first phase, 1st and 2nd 30C meetings were oparized. Gasque district was selected as one of the three model eres at the 1st 10C meetings.	Achievements a	Issue & Countermeasures
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TO CR of JICA RWANDA OFFICE

PROJECT MONITORING SHEET

Project Title: Project for Water Management and Capacity Building (WAMCAB)

Version of the Sheet: Ver.4 (Term: December 2020 - June 2021)

[Japanese side] Name: Norio KUNIYASU

Title: Chief Advisor / Irrigation Policy

[Rwandan side] Name: Emile RUZIBIZA

Title: Project Manager

Submission Date: 9th July 202

I. Summary

1 Progress

1-1 Progress of Inputs

Japanese side

- Technical inputs remotely and physically provided by the experts: (1) Chief Advisor Irrigation Policy, (2) Deputy Chief Advisor / Irrigation Policy, (3) IWUO Management, (4) Water Management / O&M, (5) Water Management / O&M / Capacity Development,
 - (6) Farm Management, (7) Coordinator / Training, (8) Support for IMT Promotion
- As JICA has suspended all overseas business trip of JICA experts engaged in JICA's technical cooperation projects affected by the Coronavirus Disease 2019 (COVID-19) outbreak, the JICA Headquarters (HQ) and Chief Advisor agreed on that all Japanese assignments until the end of March 2021 shall be conducted remotely from Japan (see M/S #3). However, following the lifting of travel restrictions to Rwanda by JICA on 24th November 2021, the JICA HQ and Chief Advisor agreed to resume the dispatch of Japanese experts from the middle of January 2021.
- Under these circumstances, to ensure the achievements and improve the added value
 of the Project, additional work such as i) radio broadcasting training, ii) webinar (web
 seminar), and iii) video study tour have been implemented.
- The JICA HQ and Chief Advisor agreed on that an additional expert in charge of "Nutrition-sensitive Farm Management" will be dispatched to promote and collaborate with Sector Policy Loan for Nutrition Improvement through Agriculture Transformation on 22nd April 2021.
- Local experts: (1) Coordinator / IWUO Officer, (2) Irrigation Engineer, (3) Agronomist,
 (4) Assistant IWUO Officers (at Kigali and Rwamagana), (5) Assistant Irrigation

- Engineer, (6) Assistant Agronomist (as of June 2021)
- Five Field Collaborators (FCs) in each model site of Ngoma, Rwamagana and Gisagara, who will be hired by the IWUOs as a manager in the future. (as of June 2021)
- Local operation cost (transportation fees) to those who participate in the project training, study tour, etc. at the farmers' level during the Rwanda fiscal year of 2020/21 (from July 2020 to June 2021).

Rwandan side

- Assignment of counterparts (C/Ps): (1) Project Director, (2) Deputy Project Director,
 (3) Project Manager, (4) Chief Implementer, (5) Task Force (TF) members at central,
 station and district level
- From 1st May 2021, the Chief Implementer has been replaced by the central C/P in charge of water management due to his another assignment.
- Project office at RAB HQ in Rubona / Huye and a temporal office at SPIU/MINAGRI in Kigali
- Local operation cost for the Joint Coordinating Committee (JCC) and Task Force (TF)
 meeting of WAMCAB has been covered by the recurrent budget of RAB.

1-2 Progress of Activities

Activity 1

- Activity 1.1 To identify problems of the current implementation of IMT procedures through baseline survey
- Activity 1.2 To identify problems of division of roles for the promotion of IMT and supports of IWUOs through baseline survey
- Activity 1.3 To identify problems of IWUO supporting system through baseline survey
- Activity 1.4 To select model sites upon the approval at JCC
- Activity 1.5 To implement the activities addressing to the above-noted problems
- Activity 1.6 To monitor the progress
- Activity 1.7 To draft IMT implementation manuals for IMT procedures, support system (including division of roles), support contents and monitoring
- Activity 1.8 To help C/Ps to draft proposal of amendment of the IWUO Policy and Strategy, and the Ministerial Order
- (Progress) As reported in M/S #3, the discussion has continued to prepare the draft proposal of amendment of the IWUO Policy and Strategy and the Ministerial Order. In addition to the first and second webinars on 23rd October and 27th November 2020, the third webinar on Irrigation in Tanzania presented by Dr. SATO Katsumasa, Senior Advisor in charge of Irrigation & Water

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Management in JICA HQ was organized on 21st May. Activity 2 Activity 2.1 To analyse the current situation in order to identify problems through baseline survey Activity 2.2 To elaborate the draft improvement plan of IWUO management based on the activity as written 2.1. (Progress) Based on the analysis of the existing situation of IWUOs in the model sites. a "9-step IWUO Management Procedure" was proposed together with the above mentioned policy recommendations of Activity 1. Activity 2.3 To train C/Ps as trainers based on the improvement plan (Progress) Since TOT training for C/Ps was difficult to be implemented, training for IWUO was conducted through the national staff (NS) of the Project with monitoring by C/Ps. Based on the Improvement Plan, technical support and guidance was provided to IWUOs in the model sites, i.e. establishment / reorganization of IWUO, setting up the rules and internal regulations, explanation on the scheme layout, block setting for management, etc. Activity 2.4 To draft IWUO management improvement manuals Activity 2.5 To conduct IWUO training by C/P trainers in the model sites Activity 2.6 To improve the draft manuals based on the implementation of activity written as 2.5. (Progress) IWUO management improvement manuals were drafted on the subject of IWUO strengthening and financial management. The first round of training on IWUO strengthening and financial management was conducted in each model site. Based on the collected comments and suggestion, the manuals will be updated for the improvement. The actual scheme management by IWUO has commenced especially in Ngoma and Rwamagana model sites. Activity 2.7 To set up monitoring and evaluation system



Activity 2.8



system of monitoring and evaluation has continued.

To implement monitoring and evaluation on relevant activities

(Progress) Involvement of District Irrigation Steering Committee (DISC) on monitoring

and evaluation of IWUO is crucial. Activation of DISC and discussion on the

As monitoring of IWUO's financial management, approval procedures of expense order from IWUOs is in progress or being improved in each target District. Nevertheless, DISCs are still in the infant stage and need to develop a better understanding of its roles and responsibilities. To this point, a presentation of IWUO activities to the DISC by the IWUO manager was started in Rwamagana model site.

Activity 3

- Activity 3.1 To analyse the current situation in order to identify problems of operation and maintenance (O&M) through baseline survey
- Activity 3.2 To elaborate the draft improvement plan of O&M in the model sites based on the activity as written 3.1.
- Activity 3.3 To train C/Ps as trainers based on the improvement plan of O&M
- Activity 3.4 To draft O&M manuals
- Activity 3.5 To conduct IWUO training by C/P trainers in the model sites
- (Progress) Since TOT training for C/Ps was difficult to be implemented, training for IWUO was conducted through the NS of the Project with monitoring by C/Ps. Based on the Improvement Plan / Training Plan, the Project has conducted a series of activities as follows:
 - ◆ Civil Work Training in all four model sites.
 - ◆ Farm Road Repair Training in Rwamagana model site including erosion prevention measure
 - ◆ Facility inspection and support of community work in each model site
 - Facility survey was conducted in Nyiramageni scheme.
 - ◆ Construction of night reservoir was completed through community work in Nyabuyogera model site. The cost of materials such as cement, stones and equipment was covered by the Project as pilot activities.
- Activity 3.6 To improve the draft manuals based on the implementation of activity written as 3.5.
- Activity 3.7 To implement monitoring and evaluation on relevant activities
- (Progress) As the first step of the M&E by Kirkpatrick method, questionnaire surveys have been conducted. In order to conduct a series of training properly, the Project have implemented comprehension tests and follow-up interviews as the second and third steps of the M&E as well as the questionnaire surveys.

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Activity 4

- Activity 4.1 To analyse the current situation in order to identify problems of water management through baseline survey
- Activity 4.2 To elaborate the draft improvement plan of water management in the model sites based on the activity as written 4.1.
- Activity 4.3 To train C/Ps as trainers based on the improvement plan of water management
- Activity 4.4 To draft water management improvement manuals
- Activity 4.5 To conduct IWUO training by C/P trainers in the model sites
- (Progress) Since TOT training for C/Ps was difficult to be implemented, training for IWUO was conducted through the NS of the Project with monitoring by C/Ps. Based on the Improvement Plan / Training Plan, the Project has conducted a series of activities as follows:
 - Water Management Training in Rwamagana model site.
 - ◆ Recording of dam water level and rainfall observation continue in Rwamagana and Ngoma model sites.
 - ◆ Monitoring the actual amount of water consumption rate and in paddy filed and Alternate Wetting and Dry (AWD) farming were tried in Rwamagana and Ngiryi model sites.
 - ◆ Trial for measurement of soil moisture condition were implemented.
- Activity 4.6 To improve the draft manuals based on the implementation of activity written as 4.5.
- Activity 4.7 To implement monitoring and evaluation on relevant activities
- (Progress) As the first and second step of the M&E by Kirkpatrick method, questionnaire surveys and comprehension tests have been conducted. The Project will also implement follow-up interviews as the third step of the M&E in the future.

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Activity 5

- Activity 5.1 To analyse the current situation in order to identify problems of agricultural extension and farm management through baseline survey
- Activity 5.2 To extract suitable methodologies from lessons learnt through relevant projects
- Activity 5.3 To train C/Ps as trainers based on the suitable methodologies
- Activity 5.4 To elaborate farm management training texts
- Activity 5.5 To conduct training by C/P trainers in the model sites

(Progress) Training was conducted mainly through the NS of the Project and partially in collaboration with RAB or Sector Agronomists.

> Based on the Improvement Plan / Training Plan, the Project in each model site and conducted a series of activities as follows:

- ◆ Training on strengthening coop management, gender main streaming, and accounting in all model sites.
- ◆ Training on marketing survey and crop selection in Ngoma 22 and Nyabuyogera
- ◆ Training on marketing regarding rice variety workshop for Rwamagana and Ngiryi cooperatives.
- ◆ Preparation of training on water management at on-farm level in all model sites.
- ◆ Consultation contract farming of chia seed and chili in Ngoma 22.
- < Demo farms for rice cultivation in Rwamagana and Ngiryi > A series of rice cultivation training on: nursery sowing practice and soil improvement, fertilization and pest control, harvesting and post-harvesting, Repair work of damaged 20 winnower machines of cooperatives in Rwamagana, etc.
- < Demo farms for horticulture cultivation in Ngoma and Nyabuyogera > A series of horticulture cultivation training on: seed sowing and seedling preparation, transplanting and land preparation, fertilization and pest control, making compost, harvesting and post-harvesting.

Activity 5.6 To implement monitoring and evaluation on relevant activities

(Progress) As the first and second step of the M&E by Kirkpatrick method, questionnaire surveys and comprehension tests have been conducted. The Project will also implement follow-up interviews as the third step of the M&E in the future.



1-3 Achievement of Output

Output 1 Irrigation Management Transfer (IMT) procedure, support system (including the roles of stakeholders), and contents of support to IWUO and procedures of monitoring are identified

- As indicated in 1-1, to ensure the achievements and improve the added value of the Project, Radio Training Program, a series of Webinars and Online Study Tour to Rwamagana were organized as additional work.
- Outlines of Policy Advice on IWUO and IMT is being drafted and discussed.

Output 2 IWUO management is enhanced in the model sites.

- The Project has provided technical assistance to IWUO in the model sites in the following activities through the capacity development of FCs who are temporarily hired by the Project.
 - ◆ Reforming (merging) and/or registration process of IWUO at RGB
 - Performance Agreement with cooperatives, individual farmers and other water users in the scheme for the collection of water fees
 - ◆ Financial management and application of expense orders from IWUO to District, etc.

Output 3 Operation and maintenance are properly implemented in the model sites.

- A series of training and activities have been conducted according to the Improvement Plan / Training Plan.
- The Project has provided technical assistance to IWUO in the model sites for the periodical inspections of facilities, maintenance and repair by community work, etc.

Output 4 Water management is properly implemented in the model sites.

 A series of training and activities have been conducted according to the Improvement Plan / Training Plan.

Output 5 Farm management is properly implemented in the model sites.

- A series of training and activities have been conducted according to the Improvement Plan / Training Plan.
- The Project has provided technical assistance in the 4 demonstration farms (rice cultivation in Cyimpima, Ngiryi schemes and horticulture cultivation in Ngoma 22, Nyabuyogera schemes).
- As follow-up activities for the "Sector Policy Loan for the Nutrition Improvement through

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Agriculture Transformation", WAMCAB has supported RAB to develop cropping calendars targeting Ngoma and Nyabuyogera schemes that will be adopted to sustainably avail nutrition-sensitive food crops.

1-4 Achievement of the Project Purpose

Project Purpose	The capacity of irrigation scheme management improves in the
	model sites

- Based on the Improvement Plan / Training Plan, a series of training and activities have been conducted.
- The Project proposed the revised Objectively Verifiable Indicators and Means of Verifications in cooperation with TF members, and these were agreed by the JCC members at the 4th JCC meeting on 18th December 2021 as described in 3-2.

1-5 Changes of Risks and Actions for Mitigation

 For the prevention measures against COVID-19, the Project follows the rules and guidance by the cabinet resolutions. The Project shall continue to take necessary measures as the situation changes.

1-6 Progress of Actions undertaken by JICA

- As indicated in 1-1, following the lifting of travel restrictions to Rwanda by JICA on 24th November 2021, the JICA HQ and Chief Advisor agreed to resume the dispatch of Japanese experts from the middle of January 2021.
- Under the unstable circumstances, to ensure the achievements and improve the added value of the Project, additional works were arranged.

1-7 Progress of Actions undertaken by Gov. of Rwanda

 The Government of Rwanda, through the Cabinet, Ministry of Health and other responsible authorities, reviewed measures to contain the spread of the COVID-19 pandemic and instructed necessary actions.

1-8 Progress of Environmental and Social Considerations (if applicable)

N/A

1-9 Progress of Considerations on Gender/Peace Building/Poverty Reduction (if applicable)

N/A



1-10 Other remarkable/considerable issues related/affect to the project (such as other JICA's projects, activities of counterparts, other donors, private sectors, NGOs, etc.)

- Regarding the issue of budget for local operation and activity cost affected by COVID-19, the solutions are being discussed between JICA Rwanda office and RAB.
- The new organizational structure of RAB has been announced by the Prime Minister's Order No. 096/03 on 14th August 2020. However, the structure and list of SIPU (Single Implementation Project Unit), to which the Core C/Ps belong, have not been finalized.
- As described in 1-3, as follow-up activities for the "Sector Policy Loan for the Nutrition Improvement through Agriculture Transformation", WAMCAB has supported RAB to develop cropping calendars in Ngoma and Nyabuyogera schemes. The policy for future collaboration is currently being discussed.

2 Delay of Work Schedule and/or Problems (if any)

2-1 Detail

- Overall, there has been a slight delay in the periodical meetings of JCC and TF due to the prevention measures against COVID-19.
- Follow-up of adoption after the training activities and M&E implemented by TF members have been delayed.
- Especially with regard to cross-cutting and advanced techniques, technical support from Japanese experts is needed.

2-2 Cause

- In order to follow the necessary measurements against COVID-19 such as movement restriction and limitation of gathering people, the Project needs to increase the number of trainings and workshops and to make plans with room for adjustment.
- Administrative procedures such as the signing process are slightly delayed because the RAB HQ and the Project office are irregularly changed due to the measures against COVID-19.
- Facilitation for the local operation and activities cost is limited, and there have been delays in the accounting procedures.

2-3 Action to be taken

As the restrictive measures against COVID-19 will continue intermittently, the method
of implementation and the schedule of activities including the extension of the project
period will be considered flexibly.





 As described in 1-10, the solutions for the budget issue are being discussed between JICA Rwanda office and RAB.

2-4 Roles of Responsible Persons/Organization (JICA, Gov. of Rwanda, etc.)

3 Modification of the Project Implementation Plan 3-1 PO

 Work Plan of phase 2 period which includes Plan of Operation has been discussed and agreed upon at the 3rd JCC meeting in August 2020.

3-2 Other modifications on detailed implementation plan

(Remarks: The amendment of R/D and PDM (title of the project, duration, project site(s), target group(s), implementation structure, overall goal, project purpose, outputs, activities, and input) should be authorized by JICA HDQs. If the project team deems it necessary to modify any part of R/D and PDM, the team may propose the draft.)

- Based on the discussions and consensus with TF members, objectively verifiable indicators for the Project Purpose was proposed and approved at the 4th JCC meeting on 18th December 2021 as follows:
 - Indicator 1: "The level of <u>organizational capacity</u>*1 of IWUOs in the model sites increases to <u>70% or more</u> through the improvement of IMT procedures and the IWUO-Support system."
 - Indicator 2 "All high-priority agreed plans*2 (organizational operation, operation and maintenance, water management, and farm management) to improve the capacity of IWUOs in the model sites are implemented."
 - *1 The Project applies Capacity Assessment Method that classifies capacity into three categories (External Condition, Technical Capacity and Core Capacity) and evaluates multiple question items in each category. Organizational Capacity is defined as the average achievement rate of Technical Capacity and Core Capacity in this method.
 - *2 The agreed plans are selected from the improvement plans and training plans of "the Capacity Development Program for Irrigation Scheme Management". Occasional review on the status of IWUOs and necessary training will be conducted even after completion of the Project. See the attachment for the details.
 - Besides, the Means of Verifications for the Project Purpose will be proposed and approved at the 4th JCC meeting as follows:
 - Capacity Assessment of IWUOs in the model sites
 - Project progress reports (including monitoring and elevation reports)



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- Minutes of Meetings to confirm the above-mentioned amendment was signed between RAB and JICA on 24th February 2021.

4 Preparation of Gov. of Rwanda toward after completion of the Project N/A

II. Project Monitoring Sheet I & II as Attached

Annex I Project Monitoring Sheet I (Revision of PDM)

Annex II Project Monitoring Sheet II (Revision of PO)

Annex III Minutes of Memorandum for the 7th TF meeting

Annex IV Minutes of Memorandum for the 4th JCC meeting

Annex V Minutes of Memorandum for the 8th TF meeting

Annex VI Progress Summary of Improvement Plan and Training Plan





Project Monitoring Sheet I (Revision of Project Design Matrix)

Project Title:

Project for Water Management and Capacity Building in Rwanda

Version 2

Period of Project:

Five years (From 2019 to 2024)

Target Area:

Rwamagana and Ngoma Districts in Eastern Province and Gisagara District in Southern Province

Project Beneficiaries RAB, Irrigation Water Users Organizations and Districts

Implementing Agenc Rwanda Agriculture and Animal Resources Development Board (RAB)

Collaborative Agenc Ministry of Local Government (MINALOC), District Authorities, Rwanda Cooperative Authority (RCA), Rwanda Governance Board (RGB)

Dated	9th	July,	2021
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Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumption	Achievement	Remarks
Overall Goal					
The models of scheme management by WUOs are accepted in the target districts.	There is at least one scheme which follows the scheme management system in the target	Interviewing to district officers in the target areas			
Project Purpose					
The capacity of irrigation scheme management improves in the model sites.	The level of organizational capacity*1 of IWUOs in the model sites increases to 70% or more through the improvement of IMT procedures and the IWUO-Support system. All high-priority agreed plans*2 (organizational operation, operation and maintenance, water management, and farm management, and farm management) to improve the capacity of IWUOs in the model sites are implemented. 11 The Project applies Capacity Assessment Method that classifies capacity in three categories (External Condition, Technical Capacity and Core Capacity) and evaluates multiple question items in each category. Organizational Capacity is defined as the average achievement rate of Technical Capacity and Core Capacity in this method. 2 The agreed plans are selected from the improvement plans and training plans of "the Capacity Development Program for Irrigation Scheme Management". Occasional review on the status of IWUOs and necessary training will be conducted even after completion of the Project. See the attachment for the details.	Capacity Assessment of IWUOs in the model sites Project progress reports (including monitoring and evaluation reports)	There is no drastic changes in officers at district and sector levels, especially for agriculture, irrigation and cooperative subsectors.	Based on the Improvement Plan / Training Plan, a series of training and activities have been conducted. Through the 4th to 6th TF and 3rd JCC meeting, Objectively Verifiable Indicators and Means of Verifications for Project Purpose were proposed to be revised, and the amendment was approved by JCC members. The Minutes of Meetings to confirm the amendment was signed between RAB and JICA on 24th February 2021.	
<u>Outputs</u> . Irrigation Management Transfer (IMT) procedures, upport system (including the roles of stakeholders), and contents of support to IWUO and procedures of nonitoring are identified.	IMT implementation manuals are approved at JCC.	JCC minutes		*To ensure the achievements and improve the added value of the Project, the first and second Webinar was organized as additional work.	
2. IWUO management is enhanced in the model sites.	IWUO Management improvement manuals are approved at JCC.	JCC minutes		•All four (4) IWUOs in the model sites were organized / reorganized.	
Operation and maintenance are properly mplemented in the model sites.	Operation and maintenance manuals are approved at JCC.	JCC minutes		A series of training and activities have been conducted according to the Improvement Plan / Training Plan.	
I. Water management is properly implemented in the nodel sites.	Water management manuals are approved at JCC.	JCC minutes		A series of training and activities have been conducted according to the Improvement Plan / Training Plan.	
i. Farm management is properly implemented in the nodel sites.	The extracted farm management methodologies are accepted in the model sites.	Project progress report		A series of training and activities have been conducted according to the Improvement Plan / Training Plan.	



nrough baseline survey	(1) Input by Japanese side 1. Dispatch of Experts	(2) Input by Rwandan side 1. Assignment of C/Ps	Important Assumption
-2. To identify problems of division of roles for the promotion of IMT and supports of IWUOs arough baseline survey	1. Dispatch of Experts	1. Assignment of C/Ps	
4. To select model sites upon the approval at JCC 5. To implement the activities addressing to the above-noted problems 6. To monitor the progress 7. To draft IMT implementation manuals for IMT procedures, support system (including division of oles), support contents and monitoring 8. To help C/Ps to draft proposal of amendment of the IWUO Policy and Strategy, and the flinisterial Order 1. To analyse the current situation in order to identify problems (e.g. IWUO registration, by-laws not regulations, IMTA conditions, collaboration with cooperatives, water rights and etc.) through aseline survey 2. To elaborate the draft improvement plan of IWUO management (e.g. leadership, accounting, eneral assembly & executive committees, collaboration with cooperatives, and etc.) based on the citivity as written 2-1 3. To train C/Ps as trainers based on the improvement plan 4. To draft IWUO management improvement manuals 5. To conduct IWUO training by C/P trainers in the model sites 6. To improve the draft manuals based on the implementation of activity written as 2-5 7. To set up monitoring and evaluation system for IWUO management 8. To implement monitoring and evaluation on relevant activities 1. To analyse the current situation in order to identify problems of operation and maintenance 0.8M) through baseline survey 2. To elaborate the draft improvement plan of 0.8M in the model sites based on the activity as riften 3-1 3. To train C/Ps as trainers based on the improvement plan of 0.8M 4. To draft 0.8 M manuals	(1) Regular Team Experts 1) Chief Advisor / Irrigation Policy 2) Deputy Chief Advisor / Irrigation Policy 3) IWUO Management 4) O&M / Water Management 5) O&M / Water Management / Capacity Development 6) Farm Management 7) Coordination/Training 8) Nutrition-sensitive Farm Managmenet (2) Short-term Experts • Support for IMT Promotion 2. Counterpart Training • Japan • Third country KCCP programs are currently postponed due to COVID-19. 3. Provision of Equipment • Equipment needed for project implementation	(1) Project Director (2) Deputy Project Director (3) Project Manager (4) Chief Implementor (5) Core C/Ps to work with the Japanese Expert Team at central station, and district levels 2. Project Office (RAB in Kigali, and Station Offices in the two provinces) 3. Local Operation / Activity Cost • Electricity / Water fees in offices • Internet environment • Transportation costs of C/Ps • Cost for Communication	Pre-Conditions Basic agreement is made between MINAGRI and MINALOC for the expected collaboration in the project. * As JICA has suspended all overseas business trip of JICA expert engaged in JICA's technical cooperation projects affected by the COVID-19 outbreak, the JICA Headquarters and Chief Advisor agreed on that all Japanese assignments shall be conducted remotely from Japan. However, following the lifting of travel restrictions to Rwanda by JICA on 24th November 2021, the JICA HQ and Chief Advisor agreed to resume the dispatch of Japanese experts from the middle of January 2021. *Under these circumstances, to ensure the achievements and improve the added value of the Project, additional work such as i) radio broadcasting, ii) webinar and iii) video study tour have been implemented. *Regarding the issue of budget for local operation and activity cost affected by COVID-19, the solutions are being discussed between JICA Rwanda office and RAB. *The new organizational structure of RAB has been announced by the Prime Minister's Order No. 096/03 on 14th August 2020. However, the structure and list of SIPU (Single Implementation Project Unit), to which the Core C/Ps belong, have not been finalized. *Overall, there has been a slight delay in the periodical meetings of JCC and TF due to the prevention measures against COVID-19. Also, follow-up of adoption after the training activities and M&E implemented by TF members have been delayed. Especially with regard to cross-cutting and advanced techniques, technical support from Japanese experts is needed. As the restrictive measures



					Proje	ct Monitoring	Sheet II	Revisio	n of Plan	of Op	eration)															30th June 2021	=
Project Title: Project for Water Management and	Capacity B	uilding	in Rwan	da																						Mo	nitoring
Inputs						Year Month	Apr. May 1 Ju	201		Nov. I Dec.	Jan. Feb. Ma		Jun. I Jul.	Aug. Sep.	Oct. Nov. C	Dec. Jan. I	Feb. Mor.		021 1 Jul. 1 Aug	L Sep. Dr	et. I Nov. I De		2022 b. Mar. Ac		emarks	Issue	Solution
						Rwandan Fiscal Year	2018/2010			2010/2020					111		11	11		11	11	11	11	1 "	commen	Base	anaton
Japanese Expert																									ave conducted project e with the Work Plan and	Oue to the global pandemic of COVID-19, Japanese experts are restricted to travel to Rwanda.	JICA HQ and Chief Advisor agreed on that all Japane assignments until the end of June are conducted rem
1) Chief Advisor / Imageton Policy				-3		Plus	1	11		-				17 9							11		-	PO.	"Nutrition-sensitive Farm	Due to lockdown of Kigali ordered by the Cabinet	from Japan (as of 24 April). JICA HQ and Chief Advisor agreed on that all Japane
2) Deputy Chief Advisor / Impation Policy						Plan					11	100									11			Management* has be-	en added to promote and	Resolutions on 18th January 2021, travel of Jepanese experts after that date is temporarily suspended by JIC/	assignments until the end of September are conducted
		_				Actival					10			AU B				1.0							r Policy Losn for Nutrition Agriculture Transformation	HQ. The travel suspension after 18th January 2021 was lifter	remotely from Japan, Besides, to ensure the d achievements and improve the added value of the
3) 6VUO Menagement						Antiol				1							4					1	11			on 26th February 2021 by JICA HQ.	Project, additional works such as radio broadcasting, webinar and online study tour will be implemented
4) OSM / Water Management.						Plan	Call I			-		1 103			3 3			11			11	1	11	1			remotely, (as of 13 May). JICA HQ and Chief Advisor agreed on that all Japane
5) O&M / Water Management / Capacity Development						Plan						1	1100							11				1			assignments until the end of March 2021 are conduct remotely from Japan. (as of 15 September).
5) Class / Water Management / Copacity Development	411	1 1 5				Actual										N. A.							11	1		1	JICA HQ and Chief Advisor agreed on that the dispat
6) Farm Management						Activi	-									p# (0.								1			Japanese experts will be resumed from the middle of January 2021. Besides, additional works such as web
7) Coordination / Training	711					Plan	11					100	3 140						- 10		1-1	1		1			and online study tour will be continued, (as of 24 December).
8) Support for BAT Promotion	-					Actinit Plan	1 1	11	1 1 1		11	1	1090	157100		-	1 1	11			1 1	+	1	1			After suspension period, the dispatch of Japanese ex was resumed from 10th March 2021.
6) Support for BET Promotion						Actual									1111									1			
9) Nutrition-consitive Farm Management						Plan		-		+						-	+			++	+	+	++	1			
wanden Expert				_																			\Box	Deputy Project Direct Director on 9 April 201	or was assigned by Project	The Project is considering practical cascade training system with the assigned C/Ps.	During the absence of the DG/RAB, the DDG/RAB is acting on his behalf. (Originally, DDG is the Acting Pri
9) Project Director / Deputy Project Director						Plan				-					1 7		1			11	11	11	11	Project Manager was	recruited on 12 April 2019.	The DG/RAB (Project Director) was temporarily leaving	Director.)
10) Project Manager						Plan															14			were assigned on 9 A		his duty until 27th January 2021. Due to another assignment for a new project, the	Reassignment of TF members including the Chief Implementer will be discussed by Rwandan side who
11) Chief Implementer						Plan																11	11	Core C/Ps at station a assigned in June 2019	nd district level were fully),	involvement of Chief Implementer (Mr. Emmanuel) will i considerably limited from May 2021.	be necessary.
	- 11	MIN				Actual				-							-	100			-	-	11		put in charge of making the Sector Policy Loan for		
12) Central CIP for Operation and Maintenance	6 8					Actual	11		1 7 1			2	Carlo								11			Nutrition Improvement			
13) Central CIP for Water Management						Plan				-										11	++	++	++	be issued by RAB.	NICON INCHISCOUR STREET WIN		
14) Central CIP for Farm Management						Plan										\Box											
15) CPs at station and district level	- 111		111	7 7 1 28		Actual							5				1				++	+					
sulpment						Actori			7 1		Diede.			1	1 1						11		11	1 consumachine and 4	laptop computers were		
Copy michine	THE	100	6 E E		TI	Plan				1								11			11		II	procured,			
						Plan	1 1			-						-	-	11	-	-	-			additional memory (R.	ting ability, the Project put a AM), and confirmed its	an .	1
Laptop computer		4				Actual										1		11		11	11			operational improvem 4 tensiometers includi	ent. ng display and 1 current		
Tensioneter		. 10				Plan	1 1	1 1	1 1 1	1	11				++	1	++	++	1 1	1 1	++	++	11	meter were procured i	in March 2021.		I .
Territionnelles Data Display						Plan															11			1			
Current motor	1					Actual				+	+		-	-	+	1					++	++	++	-			
raining in Japan				1-1-		Actual				1	1 1					- 1							11	Knowledge Co Cook	on Program on Imigation	Due to the elebel receiver of COVID-18 the VCCD in	Considering the continued current situation, the possit
and a separ	THE			FIT	TI	Plon		11								1					11	11	11	Water Management a	nd Nutrition Improvement	Japan has been postponed.	date shall be discussed with C/Ps.
						Actes											11		1	11	++	++	11	the beginning of May 2	held in the end of April to 2020.		
-country/Third country Training								++		+		++	-	-	-	-	++	+	-	++	++	++	++	Training in Tanzania fo	or Water Management and		
		7/16				Plan Actival		H		-				=	$\exists \exists$	$\exists \exists$	+	11	H	11	+	+	+	O&M is being planned			
ctivities		anese Ex			dan Expert	Year		2011			2020			2920		_			121			_	2022		Pole Organization		
Sub-Activities	1) 2) 3)	4) [5]	6) 7) 8)	9) 10) 11)	12) 13) 14	15) Month	Apr. May Jur	JAL Aug	Sep. Oct. 1			Aor. May	Jun. Jul.		Oct. Nov. 1	Dec. Jan.	Feb. Mar. /			Sup. Oc	ot. Nov. Do				GoR	Achievements	lesse & Countermeasures
tput 1: Irrigation Management Transfer (MT) procedures, suppor	system (includ	ding the r	cles of stake	eholders), and	contents of s	upport to IWUO at	nd procedures	of monito	ring and ide	entified.	11					1	1 1	1-1-	1	1 1	1 1	1	1 1			The Project implemented basic information collection	
To identify problems of the current implementation of IMT procedures through baseline survey	* *			*		Actual				-					1	1	++	+	1	1	++	++	++	1		from the commencement of the Project and baseline survey from Jun. to Sep. 2019.	
(1) Collecting data and the reviewing regarding IMT procedures	* *			*	11	Plan												11		11	11	11				Basic data collection and its review has been conducted	
(2) Setting baseline survey items regarding IMT procedures	* *			*	-	Actuel Plan	104.0														11					Baseline survey items have been prepared.	
(3) Planning and implementing the baseline survey	* *	H		1	++	Actual	100			1	11												++		+	Baseline survey has been planned and implemented.	
(A) I seem of ours subsequential the pasters and ph	* *			*		Actual	1993	EC.	111			1					1 1				1 1					consume acreey has been planned and implemented.	

(4) Analyzing the result of baseline survey and identify the current * *

| Lab. to accomp placement or unwhen or trans for the promocanic or left and appoint of MUOCOS strough beauting support
| Till Collecting date and the reviewing regarding dividant of raise for the personation of MI and support of MUOCos
| Cl. String beauting baseline mustry finan anguarding divident of raise for the promocal or ATM and supports of MUOCos.
| Till Collecting String baseline mustry finan anguarding divident of raises for the promocal or ATM and supports of MUOCos.

1.2. To identify problems of division of roles for the promotion of IMT

(3) Planning and Implementing the baseline survey

(4) Analyzing the result of baseline survey and identify the current

(5) Summarizing the current problems and obstacles

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Baseline survey items have been prepared. Baseline survey has been planned and implemented. The started time was delayed and the analysis was continued in September based on the result of discussion in Workshops and TF meeting.

Same as 1.1

Same as 1.1 (1) Same as 1.1 (2)

Same as 1.1 (3) Same as 1.1 (4)

Same as 1.1 (5)

The summarization was continued in September based on the result of discussion in Workshops and TF meeting.

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vities	at last	apanese	Expert	n I m la	Rwandan Expert	Year		1019	land Inc.	2020		2020	- 1. 7.		I am Carrie	2021	I was face for	2022	7		regardation	Achievements	Issue & Countermeasures
ub-Activities (a Identity problems of IWUO supporting systems through baseline		-	27 1 27 1 7	1 61 8	1 10 11 12 131 14	Plan	r. May Jun. Jul. A	nug sep. Oct.	redt, Dec,	Jen. 160, 16K, J	ope, analy July J	ne nug sap.	Ust, Nev. Dec.	Just Peb, Me	Har, May	JUL JUL S	ep. Oct. Nov. De	e. Jan. Feb. Mar.	Apr.	Japan	GoR		
	* * :			*	*	Actual	1 1 1 1									111	111					Same as 1.1	
Collecting data reviewing regarding IWUO supporting system	* *	*		*	*	Plan				+++				111			+++	1	-			Same as 1,1 (1)	
Setting baseline survey items regarding IWUO supporting	* *	*	11	*	*	Plan																Same as 1.1 (2)	
Planning and implementation of baseline survey	* *	\rightarrow	11	1		Plan				111	111	111	-	11	111	111	111		1			Same as 1.1 (3)	
Analyze the result of baseline survey and identify the current		-	-	1	17	Actual Pian																	
polems	* *			*	*	Actes																Same as 1.1 (4)	
5) Summarizing the current problems and obstacles	* *	4		*	*	Pipn	1111			+++	111	111	++	11	1 1 1	111	111	1 1 1				Same as 1.1 (5)	
To select model sites upon the approval at JCC	* *			*	* *	Plan			en au au au per sign marie (en		11 11 11 11 11 11 11 11 11 11 11 11 11											Saced on the review of basic information collection and the results of basishine survey, workshops and the 2nd TF meeting were held in Aug. 2019. TF members and the Project team broadly agreed on model sites in each dustrict. The final decision was made in the 2nd JCC meeting in	
		++	++	+		Plan	++++			+H	+++	+	+		+11	+	+++	111				Nov. 2019.	
(1) Considerating the possible candidates for model sites	* *	-		*	* *	Actual																Ditto	
2) Preparing a shortlat of model sites	* *			*	* *	Plan					+ + +			11	1	111	111	1	-			Ditto	
3) Setting the criteria for selecting model sites	* *			*	* *	Plan																Based on the progress report of analyzing the baseline survey, workshops in each district were held and discussion of the criteria for selecting model sites was started.	
(4) Determination of the model sites	* *	Ħ	1	*	* *	Plan																Based on the discussion of the workshop in each district, the model sites were decided in the 2nd TF meeting in August.	
(5) Preparing document for the JCC	* *		1	*	* *	Plan Actual																The final decision was made in the 2nd JCC meeting. Necessary document was prepared for the 2nd JCC meeting.	
To implement the activities addressing to the above-noted blems	* *	,	*	*	*	Plan Actual					1		1									The concept of Improvement PlantTraining Plan was shared with TF members through workshops and the 2nd TF meeting in Aug. 2019.	
1) Setting a direction of activity against the current obstacles	* *	1	*	*	*	Plan	1111		-	111		1 1 1	1 1		1-1-1	111	111		1			Oitto	
Setting a series of the activities and schedule	* *	1	*	*	*	Plan Actual																Ditto	
 Setting the responsible and expenditure in accordance with each clivity 	* *	Ţ,	*	*	+	Plan Actual					1 1											The concept of the improvement plan and training plan was shared in workshops in each district and the 2nd TF meeting and the responsible persons in Rwanda and Japanese side were confirmed.	
(4) Implementing a series of the activities	* *	,	*	*	*	Plan Actual							11						Ja	esentation on panese Policy was yen in the TF meeting.		Based on the result of baseline survey, the draft Improvement Plan/Training Plan is being prepared.	
(5) Summarizing the series of the activities	* *	,	*	*	*	Plan		1		I Kal		111	TH	-11	111	111	111					The draft Improvement Plan/Training Plan is being summarized.	
To monitor the progress	* *	1	*	*	*	Plan						1										Same as 1.5	
1) Setting a direction of monitoring activity	-	++	++	+		Plan	1111	1 1 1			111	111		1 1	1 1 1	+++	111		-				
	-	1	++	++	++++	Actusii Plan						1			1							Same as 1.5 (1)	
2) Setting a series of the activity and schedule	* *	1	*	*	*	Actual										111						Same as 1.5 (2)	
 Setting the responsible and expenditure in accordance with each activity 	* *	1	*	*	*	Plan Actual			+			111										Same as 1.5 (3)	
(4) Implementing a series of the activities	* *	,	*	*	*	Plan Actual									Ш				Pri	esentation on panese Policy was ven in the TF meeting.		Implemention of a series of the activities has been monitored.	
5) Summarizing the series of the activities	* *	1	*	*	*	Plan Activité	++++	++1	-			1				-1-1-	+++	-	-			Monitoring activities are being summarized.	
To draft IMT implementation manuals for IMT procedures, support on (including division of roles), support contents and monitoring	* *			* *	* *	Plan												100 to 10				in order to prepare draft implementation manuals, the action was started in advance. The first and socond WAMCAB Webinars (web seminars) by Pot. Satch were organized on 23rd October and 27th November 2003. The third Webinar by Dr. Sato was organized on 21st	
1) Setting a direction of preparation of BMT implementation	* *	++	+	* *	* *	Plan																May 2021. Otto	_
Formulating drafts of the manuals	* *	++	11	* *		Pion										111						Ditto	
	* *	++	++	-	* *	Plan	1111	111	+1			111								_		One	
I) Improving the drafts	* *	++	++	* *	* *	Actual						1										Ditto	
to help C/Ps to draft proposal of amendment of the IWUO Policy trategy, and the Ministerial Order	* *	,	*	* *	* *	Plan												10 mm and 10 mm				In order to prepare draft proposal of amendment of the MVUO Policy and Strategy and the Ministeriel Order, the action was started in edvence. The first and second WAMCAB Webinars (web seminars) by Prof. Soloh were organized on 23rd October and 27th November 2020.	
1) Setting a direction of preparation of proposal of amendment	* *	1	+	* *	* *	Plan Actual			1				11									Ditto	
2) Supporting formulation of draft proposal	* *	1	+	* *	* *	Man																Ditto	
	* *	++	++	1-1-	* +	Plan		1 1	_ i_	10 1 1	11 1	70. 10. 10.	THE RESERVE AND ADDRESS OF THE PARTY.	BOTH STREET	1	1 1 1	1 1 1					The state of the s	



Part	ivities	Japan	nese Exper	rt I	Rwandan E	opert Year	2019	2020	2020		2021	777 7 74	2022	Respond	ale Organization	Achievements	base & Countermeasures
Part	Sub-Activities	1) 2) 3)	4) [5) [6)	7) (8)	9) 10) 11) 12)	(3) 14) 15) Month Apr. N	May Jun. Jul. Aug. Sep. Oct. Nov. Dec. J	n. Feb. Mar. Apr.	May Jun. Jul. Aug. Sep., Oct. Nov., De	Jan, Feb, Mar, Apr.	May Jun. Jul. Au	Sep., Oct. Nov., Dec	Jan, Feb, Mar, A	. Japan	GoR	Achievements	Baue a Cophiamasures
Martine processes wheelest week as the processes of the	ut 2: WUO management is enhanced in the model sites, 1.To analyse the current situation in order to identify problems rough baseline survey	*	TT	Ш	TIT											from the commencement of the Project and baseline	
The state of the	(1) Selting baseling survey from regarding WUG	* * *	++	111	+	Plan 1		111									
Company Comp		1 1 1	++	+++	1												
The state of the s		* * *	+	+	1	Actual Plan									-		
Manufacture	problems	* * *	++	+++	*	Actual									-		
Part	(4) Preparation of draft improvement plan	* * *			*	Acted										shared with C/Ps.	
Part	2.To elaborate the draft improvement plan of MUO management ased on the activity as written 2.1	*														shared with TF mer ibers through workshops and the 2nd	
Part	(1) Holding workshops on the identified problems and on the draft	* * *		111	*											Reorganization of hyigid and Nyabyogera scheme	
Manufactor Man		+ + +	++	+++	1	Plan										The concept of the feelt improvement plan was mythed	
Part		1 1 1	+	+	1 1 1	Plan									-	The concept of the shalt improvement plan was approved	
Manual Part	the same of the sa	* *	+	+	* * *											lat JCC meeting.	
The proper of	. To train C/Ps as trainers based on the improvement plan	*	+	*		Actual		111							200	improvement plan	
Part	(1) Planning the training programs	* * *		*	*			111					+++	1		model alles as of Fisb. 2021.	
Part	(2) Selection of target participants, training schedule and venue,	* * *		*	*	Plan									re trained at Ngoma and	Selection of target participants is being prepared.	
The Mile of Mi	65.		T	1											d done	is not yet conducted.	Travel to the project area is necessary.
Part	and the second s															Director, Project Minager and Project Implementer has been resumed in Jan 2021,	one monitoring with Citys is engoing.
	. To draft IWUO management improvement manuals	*		*				1									
Company Comp	(1) Formulating draft of the manuals	+++		4	+									The second draft WUC pepared and submitted	management plan was to C/P for comment and		Some sort of incentive should be arranged to e
Companies of the control of the co	()) or remaining sector or no restriction	2 2 2	-	1		70000										on the draft manual,	the full participation of the CIPS.
The content Month is properly to brown in the requirement of the content of the	(2) Discussion with CIPs regarding the draft of the manuals	* * *		*	*											IWUO, but proper ciscussion with C/Ps was not	
Process of the proc	To conduct WUO training by C/P trainers in the model sites	*	T	*										seems to take a lot of ti	me due to the need to have	e Internal Regulation for Nyigiri and Nyabyogera are drafted	
Part	1) Recepanization/formation of M/UO	* * *		*	*									Rwamagans site are co users are mining, car w Performance agreement private hillside irrigators	inducted. These water ash and hillaide irrigators at is prepared for some of and the existing four	season is collected from Gashara Cooperative and one of Hillieds Irrigator. The other cooperatives are ready to transfer water fee. WUO is now ready to pay the solary of Operation and Irrigators COVID-19 has crest ted obstacles to conduct DISC meeting and approval of Performance Agreement with	The discussion about merging IWUO in Ngiry
Figure 1 defined of the specimen by the production of the specimen by the	2) Planning the training programs with CIPs	* * *		*	*	Actual								A plan to conducted fix is set to be held in Ngin	ancial management training il model site.		Training on other source of fund for C&M (e.g. larming, ecotourism, etc.) for IMUO is being or There is a need to reconsider the stime schedule Project. As preparation of fish farming in Rwarmagana water cleaning was done by IMUO fund. Orett annual action plan is prepared at Rwarm Official registration of IMUO in Rwarmagana in
Plan Plan P	(3) Selection of target participants, training schedule and venue	* * *		*	*	Plan	++++++++++++++++++++++++++++++++++++					++++					
To repower the drift manuals based on the injection of of the proposation of the drift manuals based on the injection of the facility of the proposation of financial statement by MUD of each schools after comment of the drift manuals and the proposation of the drift manuals and the	(4) Implementation of training with C/Ps	* * *		*	*			permitting and interpretational permitting for the permitting of the permitted of the permitting of the permitted of the permitting of the permitted of th						check their ability of pre Performance agreement with cooperative for Rw soon IWUO strengthening tra Nyabuyogera model sili Training in Nginyi, Ngon	paring it it for season B discussed amagans to be signed ining is conducted in a.	constucted through community work at Gashara and Cytripism in colab pration with Cooperative leaders and Agronomist. Discussion with hijhibuyogers farmers was done to mobilize and install a right atomage facilities by providing land for storage. Cnoe make plant is harvested the community are eager to participate as community work. Financies distanted is prepared by each scheme. DISC	Some sort of incentive should be arranged to e the full participation of the CPPs, There is a nee reconsider the general schedule of the Project. Site monitoring will be conducted to check the in the model sites where training was conducted.
The preparation of financial statement by WUO of each plant of the training (Proce 1, 2 and 3)	To improve the dealt manuals based on the implementation of		++	+	+++	Hen								in Feb and March	_	meeting is conduct id at Hwamagana	
Actual # # # # # # # # # # # # # # # # # # #	by written as 2.5	*	1	*		Actual									-	The remaration of financial statement by \$47.82 of acres	
File. File.	1) Evaluating the result of the training (Phase 1, 2 and 3)	* * *		*	*											scheme shows that the manual of training need to be	
Discussion with CPIn regarding the improved ministude * * * * * * * * * * * * * * * * * *	() Revision of the draft manuals.	* * *		*	*	Plan								from trainee and There is the impression understood by MVIO b	that the training is not well scause the finalicial	again with proper t aixing instructor and by giving enough time to the trainee. Even our NS are not well versed in the	
Actual visit of the implementation of the im														The draft WUO manag	ement model is shared for		
Setting the moreholing and evaluation system (inclus)		* * *		*	*	Aghad		111									
Sating the moreliaring and evaluation options (index)	o set up monitoring and evaluation system for IWUO	*				Plan	+		HHHH			HH	HH				
Planning the larget of M & E		* * *		111	*	Plan											
Program the schedule of Implementation			++		1	Plan											
To implement manifoling and evaluation on relevant activities # # # # # # # # # # # # # # # # # # #			++	1	1	Plan									_		
1) implementation of monitoring and evaluation # * * * # Plan Files				+++	*	Actival								1	-		
And		1 1 1															
2) Summarization of the MA E-mask + + + + + + Fear	1) Implementation of monitoring and evaluation	* * *			*	Actual											
	(2) Summarization of the M & E result	* * *			*	Plan		1 1 1		1 1 1		1 1 1 1					



ivities	Japanese Exp	ert Rwandan Expert	Year Manth	2019 2026	2020	2021 Ass. Dec. Jan., Feb., Mar., Apr., May Jun., Jul., Aug., Sep., Oct., Nov., Dec.	2022	Japan GoR	Achievements	Issue & Countermeasures
Sub-Activities at 3: Operation and maintenance are properly implemented in the	model sites.	9 [() [4) [3) [10) [11) [12) [13) [14	11 10)1 Month A	nya ji may ji Janu ji may ji pepuji Detu ji New (Detu ji Janu) Feb. (May	Transfer out [neg [neg, [neg, [Oct])	sour located sear Laure Lutter Laure Lutter	man reso, man, rot.	Japan Uok		
To analyze the current situation in order to identify problems of			Plan						The Project implemented basic information collection	
eration and maintenance (OSM) through baseline survey	* * *	*	Actual						from the commencement of the Project and baseline survey from Jun. to Sep. 2018.	
(1) Setting baseline survey items regarding O&M	* * *	*	Plan				\Box		Baseline survey items have been prepared.	
(2) Planning and implementation of baseline survey	* * *	+	Plan						Baseline survey has been planned and completed by July.	
(3) Analyze the result of baseline survey and identify the current	* * *	+	Plan						Data analysis was advanced with partial results.	
problems	* * *	*	Actual				1 1		The concept of Improvement Plan/Training Plan was	
2 To elaborate the draft improvement plan of O&M in the model sites sed on the activity as written 3.1	* * *	*	Plan				+		shared with TF members through workshops and the 2nd	
			Plan						TF meeting in Aug. 2019. The project held a workshop in each targeted district.	
(1) Holding workshops on the identified problems	* * *	*	Actual						including all outputs in August and December,	
			Plan						The concept of Improvement Plan was presented in the workshop in each district and the 2nd TF meeting in	
(2) Formulating the draft of the improvement plan through the workshops	* * *						++++		August, Ideas of work items in Phase 1 and training item for draft	
			Actual						Improvement Plan are being prepared.	
(3) Approval of the draft improvement plan at JCC meeting	* * *	*	Plan						The concept of the draft improvement plan was approved	
To train C/Ps as trainers based on the improvement plan of O&M	* *		Actual Plan						nt JCC meeting. The draft manuals were prepared through discussion with	
		*	Acturii						Ura	
(1) Planning the training programs	* *	*	Actual						Training programs are being prepared.	
Selection of target participants, training schedule and venue, Mr.	* *	*	Plan Actual						Selection of target participants is being prepared.	
(3) Implementation of training of CIPs	* *	*	Plan Actual						Training programs are being implemented.	
To draft O&M manuals	* *	* *	Plan						The draft manuals were prepared through discussion with C/Ps.	
(1) Formulating draft of the manuals	* *	144	Plan						Ditto	
		* *	Actual				++++		Co.	
Discussion with CIPs regarding the draft of the manuals	* *	* *	Actual Plan		10				Ditto	
To conduct IWUO training by C/P trainers in the model sites	* *	*	Actual						Training programs are being implemented,	
Planning the training programs with C/Ps	* *	*	Plan Actual				+		Training programs are being prepared for advance civil training.	
2) Selection of target participants, training schedule and venue,	* *	*	Plan						Selection of target participants is being prepared.	
3) Implementation of training with C/Ps	+ +		Plan						Fasility survey for pipelie in Ngoma22 was started.	
To improve the draft manuals based on the implementation of			Activité				1		The draft manuals are being prepared through discussion	
vity written as 3, 5	* *	*	Actual						with C/Ps.	
(1) Evaluating the training by Kirkpatrick method	* *	*	Plan Actual						Evaluation is being implemented.	
2) Revision of the manuals	* *	*	Plan							
3) Discussion with CIPs regarding the improved manuals	* *	*	Plan Actual				$\overline{}$			
To implement monitoring and evaluation on relevant activities	* *	+	Plan							
(1) Setting evaluation index	* *		Plan							
		*	Actual							
(2) Planning monitoring and evaluation	* *	*	Plan Actual				111			
(3) Implementation of monitoring and evaluation on relevant activities	* *	*	Plan	+++++++++++++++++++++++++++++++++++++			1111			
4: Water management is properly implemented in the model site	tes.									
. To analyze the current situation in order to identify problems of	+++	1 + 1 1 1	Plan						The Project implemented basic information collection from the commencement of the Project and baseline	
ter management through baseline survey	2 2 2		Actual						survey from Jun. to Sep. 2019.	
(1) Setting baseline survey items regarding water management	* * *	*	Plan						Baseline survey items have been prepared.	
2) Planning and implementation of baseline survey	* * *	*	Plen Actual						Baseline survey has been planned and completed by July.	TH. I
3) Analyze the result of baseline survey and identify the current	* * *		Plan						Data analysis was advanced with partial results,	
problems	7 7 7		Actual Plan						The concept of Improvement Plan/Training Plan was	
To elaborate the draft improvement plan of water management in model sites based on the activity as written 4.1	* * *	*	Actual						shared with TF members through workshops and the 2nd	
The Control of the Co			Plan	+++++++++++++++++++++++++++++++++++++++					TF meeting in Aug. 2019. The project held a workshop in each targeted district	
Holding workshops on the identified problems	* * *	*	Actival						including all outputs in August and December."	
21 Earny delice the dealt of the incompany plan through the			Plan						The concept of Improvement Plan was presented in the workshop in each district and the 2nd TF meeting in	
Formulating the draft of the improvement plan through the vorkshops	* * *	*							August. Ideas of work items in Phase 1 and training item for draft	
			Actual						Improvement Plan are being prepared.	
3) Approval of the draft improvement plan at JCC meeting	* * *	*	Plan						The concept of the draft improvement plan was approved at JCC meeting.	
To Irain C/Ps as trainers based on the improvement plan of water	* *	*	Plan						at JCC meeting. The draft manuals were prepared through discussion with CPs.	
agement 1) Planning the training programs	* *	1.111111	Plan						Training programs are being prepared.	
) Selection of target participants, training schedule and venue.			Plan							
	* *	*	Actual						Selection of Demo plot for hillside irrigation was selected	
3) Implementation of training of CIPs	* *	*	Plan Actual						Training programs are being implemented.	
To draft water management improvement manuals	* *	* *	Plan Achael						The draft manuals were prepared through discussion with C/Pa.	
(1) Formulating distit of the manuals	* +	* *	Plan						Instruction manual for AWD was translated	
(2) Discussion with CIPs regarding the shaft of the manuals			Actioni Plan						The draft manuals were prepared through discussion with	
a) procession with Citr's regarding the prant of the manuals	* *	* *	Actual				1 1 1		C/Ps.	



Sub-Activities To conduct MUO insining by C/P trainers in the model sites (1) Planning the training programs with C/Ps (2) Solection of target participants, behing achedule and venue, self-					() 11) 12) 13) 14) 1	15) Month	Apr. May Jun. Jul. A	019 Nuz. Seo. Oct. N	lov, Dec. Jan	2828 Feb. Mar.	Apr. May Lium	Jul. Aug. Sec	Out New 10	ec. Jan. Fab	Mac. Ane.	2821 May Jun. J		Oct. Nov. Dec.	Jan. Feb. Mar.		omible Organization GdR	Achievements	Issue & Countermeasures
(1) Planning the training programs with C/Ps		* *				Plan Actual					7		100		1	- one	1	- A - DAG		vepah	Gen	Training programs are being implemented.	-
	1		1		++++	Plan						2001 9 1 9		1 2 6		8		11				Training programs are being prepared.	
Selection of target participants, training schedule and versus, tc.		* *	* *			Actori					1											Practical water distribution plan for Rwamagans is under consideration including hillside irrigation	
		* *	* *		++++	Plan												11				Selection of target participants is being prepared.	
	+++	-	711		++++	Actival Plan								10.00						8	-		
3) Implementation of training with C/Ps		* *	* *	4		Actual			1								1 1					Basic Water Management Training was conducted to O&M Team, Farmers' Repair Team and Water Users	
						1000000								1					111			Team Leaders	
To improve the draft manuals based on the implementation of rity written as 4.5		*	* *			Plan			-		-											The draft manuals are being prepared through discussion with C/Ps.	
(1) Evaluating the training by Kirkpatrick method		*	* *			Plan			-			10.00								-		Evaluation is being implemented.	
2) Revision of the manuals		*	* *			Plan Actual														-			
(3) Discussion with C/Ps regarding the improved manuals		*	* *			Plan																	
To implement monitoring and evaluation on relevant activities	111	*	*	+		Plan Astani																	
(1) Setting evaluation index	H	+	-	++	++++	Plan		+++					111	+					+	-	_		
(2) Planning monitoring and evaluation	H	*		++		Plan		+	+-		-		-	++			1	\rightarrow		1			
(3) Implementation of monitoring and evaluation on relevant	H				++++	Actual Plan			-														
schiles		*	*			Actual		111															
5: Farm management is properly implemented in the model sit	ms.	TT	T	TT			1 1 1 1	1 1 1	11	1 1 1	11	111	1 1 1	TT	T	11	111	11		1		The Project implemented basic information collection	
To analyse the current situation in order to identify problems of						Plan			11							11				1		from the commencement of the Project and baseline	
cultural extension and farm management through baseline survey		11	*			Actual														7		survey from Jun. to Sep. 2019. In addition, the production record of cooperatives were collected and the necessary	T .
						Active		111	1				111				111	11	111			survey on farming was conducted.	
(1) Setting baseline survey items regarding farming and agriculture			4			Plan														The questionnaire :	urvey		
extension			*			Actual		111					111							nutrition have been cunducted.		Baseline survey items have been prepared.	
2) Planning and implementation of baseline survey		*	* * *	*		Plan														- Commondo		Baseline survey has been planned and completed by	
	+++	+	-	111	++++	Actual			-		-	-		++			111	++-	-	-	-	August. Data analysis was advanced with partial results.	
Analyse the result of baseline survey and identify the current roblems	* *	* * :	* * *	* *		Actual			1	111	1	1	+++	++		++	111	++	111	-		Discussions on the current situation and problems have been conducted with CIP.	
e extract suitable methodologies from lessons learnt through		1	+			Plan																Information from the relevant projects has been collected.	
vant projects	HH	+	1	111	+++	Actual Plan		1 1 1						-	1 1		111		-1-1-1		-		
Collecting information from relevant projects			*			Actual																Information from relevant projects has been collected.	
2) Organize the collected information and lessons learns			*			Plan														-		Analyse and organize the collected information and lessons learnt with C/P	
		11				Plan													+++			Preparation of draft concept of the improvement plan.	
3) Extract suitable methodologies	* * '	* * 1	* * *	* *		Actual																The draft improvement plan was approved at JCC meeting and was shared at TF meeting.	
To train C/Ps as trainers based on the suitable methodologies			* *			Plan		111					1 1 1									Training programs are being prepared.	
	111	++	1	111		Plan	++++	111						177		11	111	++	111				
Planning the training programs			* *			Actual						1 1 1								1		Ditto	
Selection of target participants, training achedule and yenue, etc.						Plan		111	-								+	+	+++	-		Ditto	
3) Implementation of training of C/Ps						Plan															7	Ditte	
	+++	+	+	+++		Plan	++++	+++	11											-	-	The draft manuals were prepared through discussion with	
To elaborate farm management training texts			* *			Astud		111									111	11				C/Ps.	
1) Formulating draft of the texts		11	* *			Plan		+++			-			-						-		Otto	
) Discussion with C/Ps regarding the draft of the texts		11				Plan					810											Pitte	
	+++	+	++			Pion	++++	111						+		++	++1	+++		-	-		
Elaborate the texts in cooperation with CIPs		4	++			Actual																Ditto	
						Plan														Cooperative manage	ement and gender	In order to examine a new implementation structure, pre-	
To conduct training by C/P trainers in the model sites			* *				+	444	1					-			111			cooperatives in all f	ng were conducted for our (4) model sites. Also,	training was conducted in February 2020. The main implementor in the new structure was not C/Ps	
						Actual															as conducted for a horticultu Lyogera model site.	re but WAMCAB experts and field collaborators in the future. C/Pa (TF members) are mainly responsible for ME.	
	H	++	++	-	++++		++++	+++	++		+	1 1	1 1 1	1			111		111	The draft manuals			
) Planning the training programs with C/Ps						Plan		111	1									1		making crop calend was prepared in	or .	Ditto	
						Actori		111				11		1 i			111			marketing training.			
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3) Implementation of training with C/Ps		1 1				Plant			1 18													For above-mentioned pre-training, ME indicators were prepared by applying Kirkpatrick method. After	
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to implement monitoring and evaluation on relevant activities		4	*	Ш		The second second		+			-			++-		-11						implementing M/E in the pre-training, the results were shared and discussed with C/Ps.	
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o implement monitoring and evaluation on relevant activities		#	*			Plan																implementing M/E in the pre-training, the results were shared and discussed with C/Ps.	



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TO CR of JICA RWANDA OFFICE

PROJECT MONITORING SHEET

Project Title: Project for Water Management and Capacity Building (WAMCAB)

Version of the Sheet: Ver.5 (Term: July - October 2021)

[Japanese side] Name: Norio KUNIYASU

Title: Chief Advisor / Irrigation Policy

[Rwandan side] Name: Emile RUZIBIZA

Title: Project Manager

Submission Date: 12th November 2021

I. Summary

1 Progress

1-1 Progress of Inputs

Japanese side

- Technical inputs remotely and physically provided by the experts: (1) Chief Advisor / Irrigation Policy, (2) Deputy Chief Advisor / Irrigation Policy, (3) IWUO Management, (4) Water Management / O&M, (5) Water Management / O&M / Capacity Development, (6) Farm Management, (7) Coordinator / Training, (8) Support for IMT Promotion, (9) Nutrition-sensitive Farm Management
- Eight Local Experts (National Staff: NS): (1) Coordinator / IWUO Officer, (2) 2 Irrigation Engineers, (3) 2 Agronomists, (4) 2 Assistant IWUO Officers (at Kigali and Rwamagana), (5) Coordinator of Field Collaborators (as of October 2021)
- Five Field Collaborators (FCs) in each model site of Ngoma, Rwamagana and Gisagara, who will be hired by the IWUOs/Cooperatives as a manager and/or supporting staff in the future. (as of October 2021)
- Local operation cost for counterparts (C/Ps) and Task Force (TF) members who
 participate in the TF meeting, project training, study tour, evaluation, etc. until the end
 of the 2nd Phase of the Project (from July 2021 to March 2022)
- Local operation cost (transportation fees) to those who participate in the project training, study tour, etc. at the farmers' level until the end of the 2nd Phase of the Project (from July 2020 to March 2022).

Rwandan side

- Assignment of C/Ps: (1) Project Director, (2) Deputy Project Director, (3) Project Manager, (4) Chief Implementer, (5) TF members at central, station and district level

 Project office at RAB HQ in Rubona / Huye and a temporal office at SPIU/MINAGRI in Kigali.

1-2 Progress of Activities

Activity 1

- Activity 1.1 To identify problems of the current implementation of IMT procedures through baseline survey
- Activity 1.2 To identify problems of division of roles for the promotion of IMT and supports of IWUOs through baseline survey
- Activity 1.3 To identify problems of IWUO supporting system through baseline survey
- Activity 1.4 To select model sites upon the approval at JCC
- Activity 1.5 To implement the activities addressing to the above-noted problems
- Activity 1.6 To monitor the progress
- Activity 1.7 To draft IMT implementation manuals for IMT procedures, support system (including division of roles), support contents and monitoring
- Activity 1.8 To help C/Ps to draft proposal of amendment of the IWUO Policy and Strategy, and the Ministerial Order
- (Progress) To discuss and confirm the points to be considered for Policy Advice on IWUO and IMT, the Project has organized meetings with PS/MINAGRI, DG/RAB, HoD/RAB and each target District, and encouraged further discussions in the 5th JCC meeting on 23 July 2021.

To promote active collaboration with local government, the Project has started to involve Sectors related to the Project model site as well as District Irrigation Steering Committee (DISC).

As a series of webinars, the 4th webinar on "Irrigation Management by Japanese Paddy Farmers" by Prof. SATOH Masayoshi in charge of (8) Support for IMT Promotion was organized on 11th August 2021.

In partial collaboration with the EU-supported TECAN (Technical Assistance to Enhance the Government of Rwanda's Capacities in the Agriculture Sector for the Sustainable Use of Land and Water Resources, Value Creation and Nutrition Security), also in response to a request to contribute to a review of Irrigation Strategy by MINAGRI, the Project has planned an additional survey for sustainable irrigation model, which is in the process of final consultation.

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Activity 2

- Activity 2.1 To analyse the current situation in order to identify problems through baseline survey
- Activity 2.2 To elaborate the draft improvement plan of IWUO management based on the activity as written 2.1.
- (Progress) As reported in the M/S #4, based on the analysis of the existing situation of IWUOs in the model sites, a "9-step IWUO Management Procedure" was proposed together with the above-mentioned policy discussions of *Activity 1*.
- Activity 2.3 To train C/Ps as trainers based on the improvement plan
- (Progress) Due to difficulties in the cascading implementation structure including TOT training for C/Ps, capacity development of IWUO has been continued through NS of the Project and FCs in the model sites with monitoring by C/Ps.

Meanwhile, the training for TF members on the IWUO management model has been prepared.

Based on the Improvement Plan, technical support and guidance have been provided to IWUOs in the model sites, i.e. reorganization of IWUO, setting up the Rules and Internal Regulations, appropriate financial management, water fee collection, General Assembly meeting for transparency and accountability exercise, etc.

On the other hand, as part of on-the-job training, the Audit Committee has been engaged in auditing the financial transaction of the IWUO for the first time.

- Activity 2.4 To draft IWUO management improvement manuals
- Activity 2.5 To conduct IWUO training by C/P trainers in the model sites
- Activity 2.6 To improve the draft manuals based on the implementation of activity written as 2.5.
- (Progress) As mentioned above, capacity development of IWUO has been continued through NS of the Project and FCs in the model sites with monitoring by C/Ps. The actual scheme management by IWUO has commenced especially in Ngoma and Rwamagana model sites. Based on the insights and issues identified through the actual activities, IWUO management improvement manuals will be updated.

In addition, a manual has been prepared to target the lower level structure of IWUO (i.e. Water Users Team (WUT) including the group leaders who play





an important role in community mobilization under Cooperative.

- Activity 2.7 To set up monitoring and evaluation system
- Activity 2.8 To implement monitoring and evaluation on relevant activities
- (Progress) Since the involvement of DISC in monitoring and evaluation of IWUO is crucial, the Project has supported the reactivation and readjusting of DISC activities and organizing DISC meetings in each target District.

Activity 3

- Activity 3.1 To analyse the current situation in order to identify problems of operation and maintenance (O&M) through baseline survey
- Activity 3.2 To elaborate the draft improvement plan of O&M in the model sites based on the activity as written 3.1.
- Activity 3.3 To train C/Ps as trainers based on the improvement plan of O&M
- Activity 3.4 To draft O&M manuals
- Activity 3.5 To conduct IWUO training by C/P trainers in the model sites
- (Progress) Due to difficulties in the cascading implementation structure including TOT training for C/Ps, capacity development of IWUO and training activities have been continued through the NS of the Project and FCs in the model sites with monitoring by C/Ps.

Based on the Improvement Plan / Training Plan, the Project has conducted a series of activities as follows (from July 2021 until October 2021):

- ◆ Training on basic civil in Rwamagana model site as its second round.
- ◆ Training on farm road repair in Nyabuyogera model site.
- Training on hydrant repair in Ngoma model site.
- ◆ Technical guidance for the construction of night reservoir in Nyabuyogera model site. The cost of materials was covered by the Project as pilot activities.
- ◆ Facility inspection and support of community work in each model site.
- Activity 3.6 To improve the draft manuals based on the implementation of activity written as 3.5.
- Activity 3.7 To implement monitoring and evaluation on relevant activities
- (Progress) As the evaluation of capacity development, by using the Kirkpatrick method, questionnaire surveys and comprehension tests have been conducted for





each training.

Activity 4

- Activity 4.1 To analyse the current situation in order to identify problems of water management through baseline survey
- Activity 4.2 To elaborate the draft improvement plan of water management in the model sites based on the activity as written 4.1.
- Activity 4.3 To train C/Ps as trainers based on the improvement plan of water management
- Activity 4.4 To draft water management improvement manuals
- Activity 4.5 To conduct IWUO training by C/P trainers in the model sites
- (Progress) Due to difficulties in the cascading implementation structure including TOT training for C/Ps, capacity development of IWUO and training activities have been continued through the NS of the Project and FCs in the model sites with monitoring by C/Ps.

Based on the Improvement Plan / Training Plan, the Project has conducted a series of activities as follows (from July 2021 until October 2021):

- ◆ Training on basic water management in Ngoma model site.
- ◆ Training on on-farm water-saving irrigation in Rwamagana and Ngiryi model sites.
- ◆ Monitoring the actual amount of water consumption rate in a paddy filed and Alternate Wetting and Dry (AWD) farming has been practiced in the Project demonstration farms of Rwamagana and Ngiryi model sites.
- ◆ Soil moisture condition has been measured and recorded in the Project demonstration farm of Ngoma model site.
- ◆ Pre-training for the formulation of water distribution plan was done.
- Activity 4.6 To improve the draft manuals based on the implementation of activity written as 4.5.
- Activity 4.7 To implement monitoring and evaluation on relevant activities
- (Progress) As the evaluation of capacity development, by using the Kirkpatrick method, questionnaire surveys and comprehension tests have been conducted for each training.





Activity 5

- Activity 5.1 To analyse the current situation in order to identify problems of agricultural extension and farm management through baseline survey
- Activity 5.2 To extract suitable methodologies from lessons learnt through relevant projects
- Activity 5.3 To train C/Ps as trainers based on the suitable methodologies
- Activity 5.4 To elaborate farm management training texts
- Activity 5.5 To conduct training by C/P trainers in the model sites

(Progress) Due to difficulties in the cascading implementation structure including TOT training for C/Ps, capacity development of IWUO and training activities have been continued through the NS of the Project and FCs in the model sites with monitoring by C/Ps and partially in collaboration with RAB TF members or Sector Agronomists.

> Based on the Improvement Plan / Training Plan, the Project in each model site and conducted a series of activities as follows (from July 2021 until October 2021):

- ◆ Training on making crop calendars in Ngoma and Nyabuyogera model sites.
- ◆ Study tour about contract farming to Ngoma 22 scheme by TF members and a sector agronomist in Gisagara District and beneficiaries in Nyabuyogera model site.
- < Demo farms for rice cultivation in Rwamagana and Ngiryi >
- ◆ Results analysis of farming activities in season 2021B
- ◆ A series of rice cultivation training in season 2021-22A: (1) sowing, (2) transplanting, (3) fertilization and pest control, etc.
- < Demo farms for horticulture cultivation in Ngoma and Nyabuyogera >
- ◆ Results analysis of farming activities in season 2021B
- ◆ A series of horticulture cultivation training in season 2021-22A: (1) sowing and seedling, (2) transplanting, (3) fertilization and pest control, etc.

Activity 5.6 To implement monitoring and evaluation on relevant activities

(Progress) As the evaluation of capacity development, by using the Kirkpatrick method. follow-up surveys to monitor the behaviour change have been conducted for a series of cultivation training in season 2021B.





1-3 Achievement of Output

Output 1

Irrigation Management Transfer (IMT) procedure, support system (including the roles of stakeholders), and contents of support to IWUO and procedures of monitoring are identified

- Discussions on Policy Advice for IWUO and IMT are progressing.
- The functioning of DISCs and the involvement of local authorities at the sector level have been strengthened.
- Until the Project introduced the DISC, each District has focused on the agricultural activities conducted at each cooperative, and issues related to IWUO activities have never been discussed in the meeting, which was not a DISC meeting actually, but a seasonal preparation meeting. For the first time, DISC has started to monitor and evaluate the activities of IWUO through the active participation of General Assembly Meeting and holding DISC meetings focusing on IWUO activities in the District.
- As reported in the M/S #4, to ensure the achievements and improve the added value of the Project, Radio Training Program, a series of Webinars and Online Study Tour are ongoing.

Output 2 IWUO management is enhanced in the model sites.

- The Project has provided technical guidance for IWUO in each model site through the capacity development of FCs, who are working for IWUOs as managers and temporarily hired by the Project, and the following improvements have been observed.
 - ♦ Water fees are being collected in accordance with the Performance Agreement with cooperatives, individual farmers and other water users in the scheme. The collection rate is not yet 100%, and understanding of cooperative and all water users need to be improved, however, discussions between IWUO and water users and sensitization for them are taking place properly.
 - ◆ Proper financial management is in place, including bookkeeping and application of expense orders to the District as prescribed.
 - ◆ Salaries for six operators in Rwamagana model site are covered by IWUO using the collected water fees, and some facility repairs are made in each model site using IWUO's budget, workforce and skill learned in the training by the Project.
 - ♦ Preparation and/or organization of IWUO General Assembly (GA) meeting is progressing for their first experience and practice in each model site under the difficult situation by COVID-19 pandemic.
 - ◆ Registration process of IWUO has progressed slightly; it should be noted that the process, including IMTA, should not be rushed, but should first prioritise the



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sufficient capacity development of IWUO as a necessary step.

Output 3 Operation and maintenance are properly implemented in the model sites.

- A series of training and activities have been conducted according to the Improvement Plan / Training Plan.
- The Project has provided technical assistance to IWUO in the model sites for the periodical inspections of facilities, maintenance and repair by community work, etc.
- As mentioned in Output 2, it is observed that some facility repairs are made in each model site using IWUO's budget, workforce and skill learned in the training by the Project, showing that ownership is gradually fostered.
- In Nyabuyogera model site, a night reservoir has been constructed by participatory approach through community works. The Project provided technical guidance, necessary equipment and some minimum labour costs. Due to the need for some repairs and finishing works, it will not be properly operated until after the next dry season.

Output 4 Water management is properly implemented in the model sites.

- A series of training and activities have been conducted according to the Improvement Plan / Training Plan.
- In collaboration with Output 5, the Project has provided technical assistance in the four demonstration farms (rice cultivation in Cyimpima, Ngiryi schemes and horticulture cultivation in Ngoma 22, Nyabuyogera schemes).

Output 5 Farm management is properly implemented in the model sites.

- A series of training and activities have been conducted according to the Improvement Plan / Training Plan.
- The Project has provided technical assistance in the 4 demonstration farms (rice cultivation in Cyimpima, Ngiryi schemes and horticulture cultivation in Ngoma 22, Nyabuyogera schemes).
- As reported in the M/S #4, to follow-up on the "Sector Policy Loan for the Nutrition Improvement through Agriculture Transformation", the Project has supported RAB to develop nutrition-sensitive cropping calendars targeting Ngoma and Nyabuyogera schemes. In addition to this, the Project conducted interview surveys to collect basic information about nutrition in both schemes and got opinions and feedback from C/Ps and NS on an application of crop calendar developed by JICA HDQs.





1-4 Achievement of the Project Purpose

Project Purpose The capacity of irrigation scheme management improves in the model sites

- Based on the Improvement Plan / Training Plan, a series of training and activities have been conducted.
- As mentioned above in 1-3 Achievement of Output, there has been an improvement especially in the activities related to IWUO management (Output 2), which is expected to the improvement of other Outputs and interactions between Outputs.

1-5 Changes of Risks and Actions for Mitigation

 For the prevention measures against COVID-19, the Project follows the rules and guidance by the cabinet resolutions. The Project shall continue to take necessary measures as the situation changes.

1-6 Progress of Actions undertaken by JICA

- Under unstable circumstances, to ensure the achievements and improve the added value of the Project, additional works were arranged.
- Regarding the issue of budget for local operation and activity cost affected by COVID-19, JICA Rwanda office and RAB agreed that JICA shall temporarily cover the cost from July 2021 until March 2022.
- A site visit to Ngoma 22 was conducted to confirm the current condition of irrigation facilities and the issues to be addressed. The collected information was shared among the concerned institutions, and further discussions will take place to identify the necessary actions and to clarify the scope of each institution's response.

1-7 Progress of Actions undertaken by Gov. of Rwanda

 The Government of Rwanda, through the Cabinet, Ministry of Health and other responsible authorities, reviewed measures to contain the spread of the COVID-19 pandemic and instructed necessary actions.

1-8 Progress of Environmental and Social Considerations (if applicable)

- Due to the ongoing election process of local government, which began in October 2021, the person in charge of the Project might be changed, which will require to reconfirm the Project framework and activities and to promote a common understanding for the plans / policy of the Project with the newly elected officials.





1-9 Progress of Considerations on Gender/Peace Building/Poverty Reduction (if applicable)

N/A

1-10 Other remarkable/considerable issues related/affect to the project (such as other JICA's projects, activities of counterparts, other donors, private sectors, NGOs, etc.)

- The new organizational structure of RAB has been announced by the Prime Minister's Order No. 096/03 on 14th August 2020. However, the structure and list of SPIU (Single Project Implementation Unit), to which the Core C/Ps belong, have not been finalized.
- As reported in the M/S #4, as follow-up activities for the "Sector Policy Loan for the Nutrition Improvement through Agriculture Transformation", the policy for future collaboration has been discussed. In conclusion, the Project shall support the basic information collection, supplemental interview survey, etc. in this second phase for the future extension and dissemination of the developed crop calendars.
- As described in **1-2**, the Project has planned an additional survey for a sustainable irrigation model, which is in the process of final consultation.

2 Delay of Work Schedule and/or Problems (if any)

2-1 Detail

- There has been a slight delay in the overall progress particularly with regard to crosscutting and advanced technologies and activities requiring technical assistance from Japanese experts, although as the situation of COVID-19 calms down, the activities are gradually progressing.
- Due to the difficulties and lack of involvement of TF members especially for M&E, the
 preparations and discussions for the third phase, *Institutionalization and Extension*Preparation Phase, have not been progressed.

2-2 Cause

- In order to follow the necessary measurements and intermittent restrictions against COVID-19, the Project needs to change the implementation timing, scale, method, etc. of the activities from the original plans.
- Administrative procedures such as the signing process are slightly delayed because the RAB HQ and the Project office are irregularly changed due to the measures against COVID-19.
- By a temporal cost-covering by JICA, the situation is being improved. However, as facilitation for the local operation and activities cost had been limited for a long time,





the gaps have not been filled in.

2-3 Action to be taken

 In view of the combined impact of the COVID-19 over a long period of time and the current progress, an extension of the second phase, *Technical Guidance Phase*, is proposed. In addition, the method of implementation and the schedule of activities should be considered flexibly.

2-4 Roles of Responsible Persons/Organization (JICA, Gov. of Rwanda, etc.)

3 Modification of the Project Implementation Plan 3-1 PO

N/A

3-2 Other modifications on detailed implementation plan

(Remarks: The amendment of R/D and PDM (title of the project, duration, project site(s), target group(s), implementation structure, overall goal, project purpose, outputs, activities, and input) should be authorized by JICA HDQs. If the project team deems it necessary to modify any part of R/D and PDM, the team may propose the draft.)

N/A

4 Preparation of Gov. of Rwanda toward after completion of the Project N/A

II. Project Monitoring Sheet I & II as Attached

Annex I Project Monitoring Sheet I (Revision of PDM)

Annex II Project Monitoring Sheet II (Revision of PO)

Annex III Minutes of Memorandum for the 9th TF meeting

Annex IV Minutes of Memorandum for the 5th JCC meeting

Annex V Minutes of Memorandum for the 10th TF meeting

Annex VI Progress Summary of Improvement Plan and Training Plan



V

Project Monitoring Sheet I (Revision of Project Design Matrix)

Project Title: Project for Water Management and Capacity Building in Rwanda

Period of Project:
Target Area:
Project Beneficiaries RAB, Irrigation Water Users Organizations and Districts

Implementing Agenc Rwanda Agriculture and Animal Resources Development Board (RAB)

Version 2

Implementing Agenc Rwanda Agriculture Collaborative Agenc Ministry of Local Gove Narrative Summary	ernment (MINALOC), District Authorities, F	Rwanda Cooperative Authority (RCA),		Dated 12th November, 202	21
Overall Goal	Objectively Verifiable Indicators	Means of Verification	Important Assumption	Achievement	Remarks
The models of scheme management by IWUOs are accepted in the target districts. Project Purpose	There is at least one scheme which follows the scheme management system in the target	Interviewing to district officers in the target areas			
The capacity of irrigation scheme management improves in the model sites.	The level of <u>organizational</u> <u>capacity</u> *1 of IWUOs in the model sites increases to <u>70% or more</u> through the improvement of IMT procedures and the IWUO-Support system.	Capacity Assessment of IWUOs in the model sites Project progress reports (including monitoring and evaluation reports)	There is no drastic changes in officers at district and sector levels, especially for agriculture, irrigation and cooperative subsectors.	conducted There has been an improvement especially in the	
	All high-priority agreed plans*2 (organizational operation, operation and maintenance, water management, and farm management) to improve the capacity of IWUOs in the model			activities related to IWUO management (Output 2), which is expected to the improvement of other Outputs and interactions between Outputs.	
	Method that classifies capacity into three categories (External Condition, Technical Capacity and Oore Capacity) and evaluates multiple question items in each category. Organizational Capacity is defined as the average achievement rate of Technical Capacity and Core Capacity in this method. *2 The agreed plans are selected from the				
Dutputs	improvement plans and training plans of 'the Capacity Development Program for Irrigation Scheme Management'. Occasional review on the status of IWUOs and necessary training will be conducted even after completion of the Project. See the attachment for the details.				
. Irrigation Management Transfer (IMT) procedures.	IMT implementation manuals are approved	JCC minutes		Discussions on Policy Advise for IMILIO	
support system (including the roles of stakeholders), and contents of support to IWUO and procedures of monitoring are identified.	at JCC.			Discussions on Policy Advice for IWUO and IMT are progressing. the functioning of DISCs and the involvement of local authorities at sector level has been strengthened. To ensure the achievements and improve the added value of the Project, Radio Training Program, a series of Webinars and Online Study Tour are ongoing.	
 IWUO management is enhanced in the model sites. 	IWUO Management improvement manuals are approved at JCC.	ICC minutes		The Project has provided technical guidance for IWUO in each model site through the capacity development of FCs, who are working for IWUOs as managers and temporarily hired by the Project, and the some improvements such as organizational management and financial management and have been observed.	
. Operation and maintenance are properly nplemented in the model sites.	Operation and maintenance manuals are approved at JCC.	CC minutes		- A series of training and activities have been conducted according to the Improvement Plan / Training Plan The Project has provided technical assistance to IWUO in the model sites for the periodical inspections of facilities, maintenance and repair by community work, etc It is observed that some facility repairs are made in each model site using IWUO's budget, workforce and skill learned in the training by the Project, showing that ownership is gradually fostered In Nyabuyogera model site, a night reservoir has been constructed by participatory approach through community works. The Project provided technical guidance, necessary equipment and some minimum labour costs.	
odel sites.	Water management manuals are approved JC at JCC.	CC minutes		- A series of training and activities have been conducted according to the Improvement Plan / Training Plan In collaboration with Output 5, the Project has provided technical assistance in the four demonstration farms (rice cultivation in Cylmpima, Nginyi schemes and horticulture cultivation in Ngoma 22, Nyabuyogera schemes).	
odel sites.	The extracted farm management methodologies are accepted in the model sites.	oject progress report		A series of training and activities have been conducted according to the improvement Plan / Training Plan. The Project has provided technical assistance in the 4 demonstration farms (rice cultivation in Cyimpima, Ngiryi schemes and horticulture cultivation in Ngoma 22, Nyabuyogera schemes). As reported in the M/S #4, to follow-up on the "Sector Policy Loan for the Nutrition improvement through Agriculture Transformation", the Project has supported RAB to develop nutrition-tensitive cropping calendars targeting yoma and Nyabuyogera schemes. In indiction to this, the Project conducted interview surveys to collect basic information about nutrition in both	

Activities	CAN I A LAND A L	puts (2) Input by Rwandan side	Important Assumption
1-1. To identify problems of the current implementation of IMT procedures through baseline survey	Dispatch of Experts	1. Assignment of C/Ps	
1-2. To identify problems of division of roles for the promotion of IMT and supports of IWUOs through baseline survey	(1) Regular Team Experts 1) Chief Advisor / Irrigation	(1) Project Director (2) Deputy Project Director	
1-3. To identify problems of IWUO supporting systems through baseline survey	Policy 2) Deputy Chief Advisor /	(3) Project Manager	Pre-Conditions
1-4. To select model sites upon the approval at JCC	Irrigation Policy	(4) Chief Implementor (5) Core C/Ps to work with the	Basic agreement is made between MINAGRI and MINALOG for the
1-5. To implement the activities addressing to the above-noted problems	3) IWUO Management 4) O&M / Water Management	Japanese Expert Team at central station, and district levels	, expected collaboration in the project.
1-6. To monitor the progress	5) O&M / Water Management /		_
1-7. To draft IMT implementation manuals for IMT procedures, support system (including division of oles), support contents and monitoring 1-8. To help C/Ps to draft proposal of amendment of the IWUO Policy and Strategy, and the	6) Farm Management 7) Coordination/Training	2. Project Office (RAB in Kigali, and Station Offices in the two provinces)	•
Alnisterial Order 2-1. To analyse the current situation in order to identify problems (e.g. IWUO registration, by-laws)	8) Nutrition-sensitive Farm Managmenet		<lssues and="" countermeasures=""></lssues>
III (Equiduons, IM I A conditions, collaboration with conneratives, water rights and etc.) through		3. Local Operation / Activity Cost (arrangement based on R/D)	As JICA has suspended all overseas business trip of JICA expert
1-2. To elaborate the draft improvement plan of IWUO management (e.g. leadership, accounting, eneral assembly & executive committees, collaboration with cooperatives, and etc.) based on the -3. To train C/Ps as trainers based on the improvement plan	(2) Short-term Experts - Support for IMT Promotion	Electricity / Water fees in offices Internet environment	engaged in JICA's technical cooperation projects affected by the COVID-19 outbreak, the JICA Headquarters and Chief Advisor agreed on that all Japanese assignments shall be conducted
-4. To draft IWUO management improvement manuals	2. Counterpart Training Japan	Transportation costs of C/Ps Cost for Communication	remotely from Japan. However, following the lifting of travel restrictions to Rwanda by JICA on 24th November 2021, the JICA
2-5. To conduct IWUO training by C/P trainers in the model sites	Third country KCCP programs are currently		HQ and Chief Advisor agreed to resume the dispatch of Japanese experts from the middle of January 2021.
-6. To improve the draft manuals based on the implementation of activity written as 2-5	postponed due to COVID-19.		•Under these circumstances, to ensure the achievements and
-7. To set up monitoring and evaluation system for IWUO management -8. To implement monitoring and evaluation on relevant activities	3. Provision of Equipment • Equipment needed for project		improve the added value of the Project, additional work such as i) radio broadcasting, ii) webinar and iii) video study tour have been
-1. To analyse the current situation in order to identify problems of operation and maintenance D&M) through baseline survey	implementation	(i)	implemented.
-2. To elaborate the draft improvement plan of O&M in the model sites based on the activity as ritten 3-1	4. Local Operation / Activity Cost (temporary arrangement)		 Regarding the issue of budget for local operation and activity cost affected by COVID-19, JICA Rwanda office and RAB agreed that
-3. To train C/Ps as trainers based on the improvement plan of O&M -4. To draft O & M manuals	Transportation costs of C/Ps Allowances for C/Ps and		JICA shall temporarily cover the cost from July 2021 until March 2022.
-5. To conduct IWUO training by C/P trainers in the model sites	farmers Cost for Communication		•The new organizational structure of RAB has been announced by
To improve the draft manuals based on the implementation of activity written as 3-5	Gost for Communication		the Prime Minister's Order No. 096/03 on 14th August 2020. However, the structure and list of SIPU (Single Implementation
7. To implement monitoring and evaluation on relevant activities			Project Unit), to which the Core C/Ps belong, have not been finalized.
To analyse the current situation in order to identify problems of water management through aseline survey			•There has been a slight delay in the overall progress particularly
23. To elaborate the draft improvement plan of water management in the model sites based on the Livity as written 4-1			with regard to cross-cutting and advanced technologies and
3. To train C/Ps as trainers based on the improvement plan of water management			activities requiring technical assistance from Japanese experts, although as the situation of COVID-19 calms down, the activities are
4. To draft water management improvement manuals			gradually progressing. Also, due to the difficulties and lack of involvement of TF members especially for M&E, the preparations
5. To conduct IWUO training by C/P trainers in the model sites			and discussions for the third phase, Institutionalization and
6. To improve the draft manuals based on the implementation of activity written as 4-5		1	Extension Preparation Phase, have not been progressed. In view of the combined impact of the COVID-19 over a long period of time
7. To implement monitoring and evaluation on relevant activities		li li	and the current progress, an extension of the second phase, Technical Guidance Phase, is proposed. In addition, the method of
To analyse the current situation in order to identify problems of agricultural extension and farm anagement through baseline survey To extract suitable methodologies from lessons learnt through relevant projects		li li	implementation and the schedule of activities should be considered flexibly.
To train C/Ps as trainers based on the suitable methodologies			
To elaborate farm management training texts			
5. To conduct training by C/P trainers in the model sites			
6. To implement monitoring and evaluation on relevant activities			

roject Title: Project for Water Management and	Capacity B	uilding in Rwa	nda																	31st October 2021	
puts					Year		2019		2020	Ty .	2020			2021			2022			Mor	iltoring
					Month Rwandan	Apr. May Jun.	Jul. Aug. Sep. Oct.	Nov. Dec. Ja	n. Feb. Mar. A	pr. May Jun. Jul.	Aug. Sep. Oct. No	v. Dec. Jan. Feb	Mar. Apr. Ma	ay Jun. Jul. A	ug. Sep. Oct.	Nov. Dec. Jan	Feb Mar. A	×.			
anese Expert					Fiscal Year	2018/2019		2019/2020										Ren	narks	Issue	Solution
															+		+++	8 Japanese Experts have	conducted project	Durate the state of the state o	A commence of the contract of
Chief Advisor / Irrigation Policy	1				Plan											BR V	+++	- activities in accordance v	with the Work Plan and	Due to the global pandemic of COVID-19, Japanese experts are restricted to travel to Rwanda.	JICA HQ and Chief Advisor agreed on that all Japan assignments until the end of June are conducted rem
2) Deputs Chief Address (Indicate D. C.					Actual					總難預								PO. An expert in charge of "N	lutrition consists From	Due to lockdown of Kigali ordered by the Cabinet	from Japan (as of 24 April).
2) Deputy Chief Advisor / Irrigation Policy					Plan Actual	++				- Sumpagnoranes								Management" has been	added to promote and	Resolutions on 18th January 2021, travel of Japanese experts after that date is temporarily suspended by JICA	JICA HQ and Chief Advisor agreed on that all Japan assignments until the end of September are conduct
3) IWUO Management					Plan					Name of the Public								collaborate with Sector F	olicy Loan for Nutrition riculture Transformation.	HQ.	remotely from Japan. Besides, to ensure the
					Actual					SECURITY OF THE PARTY OF THE PA	Jetha Wane Di	Marine Design						Improvement through Ag	riculture I ransformation.	 The travel suspension after 18th January 2021 was lifted on 26th February 2021 by JICA HQ. 	achievements and improve the added value of the
4) O&M / Water Management		The same of			Plan							THE REAL					+++			, , , , , , , , , , , , , , , , , , , ,	Project, additional works such as radio broadcasting webinar and online study tour will be implemented
5) O&M / Water Management / Capacity Development					Actual													1			remotely. (as of 13 May). JICA HQ and Chief Advisor agreed on that all Japar
7 Cum / Trate Management / Capacity Development					Actual																assignments until the end of March 2021 are condu
6) Farm Management					Plan.				+++												remotely from Japan. (as of 15 September).
					Actual					001100			E 20							1	JICA HQ and Chief Advisor agreed on that the disp Japanese experts will be resumed from the middle
Coordination / Training					Plan				181									-			January 2021. Besides, additional works such as we and online study tour will be continued. (as of 24
B) Support for IMT Promotion					Actual															1	December).
y deposit of this Frontingon	10000				Actual	+	- 8		+++												After suspension period, the dispatch of Japanese
Nutrition-sensitive Farm Management		63 B B B B B			Plan						NAME OF BRIDE										was resumed from 10th March 2021.
andan Expert					Actual											-	+++	-			
) Project Director / Deputy Project Director					Plan													Deputy Project Director v	as assigned by Project	The Project is considering practical	During the shares of the same
y system of perputy miglect birector			10		Actual													Director on 9 April 2019.		system with the assigned C/Ps.	During the absence of the DG/RAB, the DDG/RAB acting on his behalf. (Originally, DDG is the Acting
0) Project Manager	K HA		The second		Plan													Project Manager was rec Chief Implementer and or		The DG/RAB (Project Director) was temporarily leaving	Director.)
1) Chief Innies and a	-888			-	Actual													were assigned on 9 April	2019.	his duty until 27th January 2021. Due to another assignment for a new project, the	Reassignment of TF members including the Chief Implementer will be discussed by Rwandan side wi
1) Chief Implementer					Pian Actual													Core C/Ps at station and assigned in June 2019.	district level were fully	involvement of Chief Implementer (Mr. Emmanuel) will be	necessary.
2) Central C/P for Operation and Maintenance	78/8/8/				Plan	100 100												One of the C/Ps was put	in charge of making	considerably limited from May 2021.	
			45 55 7		Actual													cropping calendar for the Nutrition Improvement thr	Sector Policy Loan for		
3) Central C/P for Water Management					Plan													Transformation. The office	ial nomination letter will		
Central C/P for Farm Management				The same of	Actual Plan													be issued by RAB.			
					Actual																
5) C/Ps at station and district level					Plan																
Ipment					Actual																
opy machine	300				Plan				++-									1 copy machine and 4 lap	top computers were		
					Actual									+++	+++	-		procured. To increase the operating	ability the Project out as		
aptop computer					Plan			2.0										additional memory (RAM)	, and confirmed its		
ensiometer					Plan		++++			+								operational improvement. 4 tensiometers including of	lienlay and 1 aurean		
					Actual													meter were procured in M			
ensiometer Data Display					Plan									+++	+++	-					
urrent meter	13 00 00 7				Actual	+		T (5) (8)										1			
					Actual	+		-		+++	+++										
ning in Japan													-		+++			Kanuladaa Ga Gaaatlaa f			
					Plan										+++			Knowledge Co-Creation F Water Management and I	rogram on Irrigation	Due to the global pandemic of COVID-19, the KCCP in Japan has been postponed.	Considering the continued current situation, the poss
					Actual									++	++			Policy is planned to be he	d in the end of April to	eaparrias occir postporios.	date shall be discussed with C/Ps.
ountry/Third country Training	Telephone									+++			-	+++	+++			the beginning of May 2020			
					Pian	+												Training in Tanzania for W O&M is being planned.	ater Management and		
ivities								7								1 -1		- construction			
Sub-Activities	1) 2) 3) 4	1 (4) (5) (6) (7) (8)	D1 401 401 40	THE REPORT ADDRESS OF THE PARTY.	Year		2019	- 11	2020		2020			2021			2022	Responsible	Outside the second		
ut 1: Irrigation Management Transfer (IMT) procedures, support	system (includir	ng the roles of stake	holders), and co	2) [13) [14) [15) [entents of support to	Month A	or. May Jun.	Jul. Aug. Sep. Oct. 1	Nov. Dec. Jan.	Feb. Mar. Apr.	. May Jun. Jul.	lug. Sep. Oct. Nov.	Dec. Jan. Feb.	Mar. Apr. May	Jun. Jul. Au	Sep. Oct. N	Nov. Dec. Jan.	Feb. Mar. Apr.	Japan	GoR	Achievements	Issue & Countermeasures
To identify problems of the current implementation of IMT			TIT		Plan	or occurred to	monitoring and ide	mulled.		1111	111										
ocedures through baseline survey	* *	± 11111	*																	The Project implemented basic information collection	
(1) Callesting data and the	+++	+++	+		Actual															from the commencement of the Project and baseline survey from Jun. to Sep. 2019.	
(1) Collecting data and the reviewing regarding IMT procedures	* *		*		Plan																
(2) Setting baseline survey items regarding IMT procedures	* *		*		Plan					+++										Basic data collection and its review has been conducted.	
(3) Planning and implementing the baseline survey	* *	+			Plan			0 2 2												Baseline survey items have been prepared.	
	111	+	*		Actual															Baseline survey has been planned and implemented.	
(4) Analyzing the result of baseline survey and identify the current problems	* *				Plan																
			_ ^		Actual										+++	+		1		The started time was delayed and the analysis was continued in September based on the result of discussion	
(5) Summarizing the current problems					Plan								-		+++					in Workshops and TF meeting.	
	* *		*		Actual	+++				+++										The summarization was continued in September based	
To identify problems of division of roles for the promotion of IMT	* * *	+	1.11		Di-															on the result of discussion in Workshops and TF meeting.	
supports of IWUOs through baseline survey (1) Collecting data and the reviewing regarding division of roles for		+			Actual	1000						+								Same as 1.1	
the promotion of IMT and supports of IWUOs	* * *	*	*		Plan																
(2) Setting baseline survey items regarding division of roles for the	* * *	*	*		Plan			+												Same as 1.1 (1)	
promotion of IMT and supports of IWI ICe	$\overline{}$		1.1		Plan												-			Same as 1.1 (2)	
promotion of IMT and supports of IWUOs	4 4 4		1 96 1		1000	The second second														and the second s	
gromotion of IMT and supports of IWUOs (3) Planning and implementing the baseline survey	* * *	*			Actual															Same as 1 1 (3)	
promotion of IMT and supports of IMUOs (3) Planning and implementing the baseline survey (4) Analyzing the result of baseline survey and identify the current problems	* * *	*	*		Plan Actual															Same as 1.1 (3)	
promotion of IMT and supports of IWUOs (3) Planning and implementing the baseline survey			*		Plan Actual Plan															Same as 1.1 (3) Same as 1.1 (4)	

Sub-Activities	1) 2) 3	3) 4) 5)	6) 7) 8)	9) 10) 11) 12)		2019	202	.u	2020		2021			2022	Responsible	e Organization	A CONTRACTOR OF THE CONTRACTOR	
To identify problems of IWUO supporting systems through baseline	* * :		1	+	Plan	Nov. Noy. Sep. Oct. Nov.	Jan. reb.	mar. Apr. May Ji	n. Jul. Aug. Sep. Oct. Nov.	Dec. Jan. Feb. Mar.	Apr. May Jun. Ju	I. Aug. Sep.	Oct. Nov. Dec. J	an. Feb. Mar. A	pr. Japan	GoR	Achievements	Issue & Countermeasu
) Collection data so device and a vivia			*		Actual						+++	+++	-				Same as 1.1	
) Collecting data reviewing regarding IWUO supporting system	* * 1	*	*	*	Plan Actual		+++								100			
Setting baseline survey items regarding IWUO supporting	* * ;	*	+	+	Plan		+++	+++			-	+	-				Same as 1.1 (1)	
Diaming and implementation of booth					Actual								+	+			Same as 1.1 (2)	
Planning and implementation of baseline survey	* * ;	5	*	*	Plan Actual		+++										Same as 1.1 (0)	
Analyze the result of baseline survey and identify the current roblems	* * ,	*	*	*	Plan						+	+++	+	+++			Same as 1.1 (3)	
5) Summarizing the current problems and obstacles	* * 1	+++	+ + + +		Actual Plan												Same as 1.1 (4)	
y commence	* * '		*	*	Actual					+	+++	+++		-			Same as 1.1 (5)	
delan Artsun Artsun			\perp		Plan			1 1 1								lb 6	Based on the review of basic information collection and the results of baseline survey, workshops and the 2nd TF	
To select model sites upon the approval at JCC	* *			* * *													meeting were held in Aug. 2019. TF members and the	
					Actual												Project team broadly agreed on model sites in each district.	
					Actual												The final decision was made in the 2nd JCC meeting in	
Considering the possible candidates for model sites	* *	++		* * *	Plan		+++	+++	+		\perp						Nov. 2019.	
		+++	+	^ ^ ^	Actual							+++	+	+++			Ditto	
2) Preparing a shortlist of model sites	* *			* * *	Plan Actual	100 200												
							+++										Ditto	
3) Setting the criteria for selecting model sites	* *	+1		* + +	Plan												Based on the progress report of analyzing the baseline	
	1				Actual							+++	+	+++	-		survey, workshops in each district were held and	
		+++	+++	+													discussion of the criteria for selecting model sites was started.	
		111		+	Plan											-		
4) Determination of the model sites	* *			* * *				\perp									Based on the discussion of the workshop in each district, the model sites were decided in the 2nd TF meeting in	
		\perp		+	Actual											1	August.	
5) Proposing document for the 100		+++	+++		Plan			+									The final decision was made in the 2nd JCC meeting.	
5) Preparing document for the JCC	* *			* * *	Plan Actual			+									Necessary document was prepared for the 2nd JCC	
To implement the activities addressing to the above-noted					Plan							111					meeting.	
elems	* *	*	*	*													The concept of Improvement Plan/Training Plan was	
		+++	+		Actual												shared with TF members through workshops and the 2nd TF meeting in Aug. 2019.	
Setting a direction of activity against the current obstacles	* *	*	*		Plan Actual										1		Tr meeting in Aug. 2019.	
Setting a series of the activities and schedule	* *	*	*	+	Plan					+		+					Ditto	
	1 /-	+++	++++		Actual									+++			Ditto	
3) Setting the responsible and expenditure in accordance with each	الدالد			100	Plan												The concept of the improvement plan and training plan	
ictivity	* *	*	*	*	Actual					+	+++	+++		+			was shared in workshops in each district and the 2nd TF	
		+++	+	+	Actual												meeting and the responsible persons in Rwanda and Japanese side were confirmed.	
4) Implementing a series of the activities	* *	*		+	Plan										Presentation on			
					Actual									+++	Japanese Policy was		Based on the result of baseline survey, the draft Improvement Plan/Training Plan is being prepared.	
5) Summarizing the series of the activities	* *	*	*	*	Plan						+	+++	+++	+++	given in the TF meeting.			
To monitor the progress	* *	11.	+++		Actual Plan												The draft Improvement Plan/Training Plan is being summarized.	
	* *	*	*	*	Actual												Same as 1.5	
Setting a direction of monitoring activity					Plan Actual													
2) Setting a series of the activity and schedule	* *	1	1	*	Plan		-	+++									Same as 1.5 (1)	
3) Setting the responsible and expenditure in accordance with each		++-	- ^	× .	Actual							+++	+++	+++			Same as 1.5 (2)	
ctivity	* *	*	*	*	Plan Actual	1800												
Implementing a series of the self-file-					Plan										December 1		Same as 1.5 (3)	
1) Implementing a series of the activities	* *	*	*	*	Actual										Presentation on Japanese Policy was		Implementation of a series of the activities has been	
) Summarizing the series of the activities	* *		+++		Plan						-10-2				given in the TF meeting.		monitored.	
A Service with the series of the activities	* *	*	*	*	Actual												Monitoring activities are being summerized	
										10 20 20 20							Monitoring activities are being summarized.	
o draft IMT implementation manuals for IMT procedures, support			111	+	Plan												In order to prepare draft implementation manuals, the action was started in advance.	
m (including division of roles), support contents and monitoring	* *		* *	* * *											Ų.		The first and second WAMCAB Webinars (web seminars)	
					Actual										1		by Prof. Satoh were organized on 23rd October and 27th	
					Actual												November 2020. The third Webinar by Dr. Sato was organized on 21st	
Setting a direction of preparation of IMT implementation	* *		1.	* * *	Plan					and the same							May 2021.	
Enuals		++-			Actual			100				+++					Ditto	
Formulating drafts of the manuals	* *		* *	* * *	Pian Actual												Ditte	
Improving the drafts	* *		* 4	* * *	Plan										-		Ditto	
		++	+++		Actual						-						Ditto	
CONTRACTOR OF THE STATE OF THE				+	Plan												In order to prepare draft proposal of amendment of the	
o help C/Ps to draft proposal of amendment of the IWUO Policy trategy, and the Ministerial Order	* *	*	1 4	* * *													IWUO Policy and Strategy and the Ministerial Order, the	
uategy, and the ministerial Order	" "	^	* *	` *										+++	- 1		action was started in advance. The first and second WAMCAB Webinars (web seminars)	
					Actual										1 1		by Prof. Satoh were organized on 23rd October and 27th	
Setting a direction of preparation of proposal of amendment	* *	*	1		Pian												November 2020.	
		-	* *	* *	Actual												Ditto	
Supporting formulation of draft proposal	* *	*	* *	* * *	Plan											-		
opporting formulation of draft proposal					Actual			The state of the s				The second second		1 1 1	-		Ditto	
	* *	*	11.	* * *	Plan													

Sub-Activities put 2: IWUO management is enhanced in the model sites.		Japanese 3) 4)		7) 8)	9) 10) 11	andan Exp) 12) 13		Year Month	Apr. May Jun.	2019 Jul. Aug. 1	Sep. Oct. N	Nov. Dec. Ja	2020 n. Feb. Mar.	Apr. May	y Jun. Jul.	2020 Aug. Sep.	Oct. Nov. I	Dec. Jan. F	Feb. Mar.	Apr. May Ju	2021 un. Jul. Au	g. Sep. Oct	l. Nov. Dec.	2022 Jan. Feb. M	ar. Apr.	Japan	Organization GoR	Achievements	Issue & Countermeasures
To analyse the current situation in order to identify problems ough baseline survey		*						Plan																	П			The Project implemented basic information collection from the commencement of the Project and baseline	
(1) Setting baseline survey items regarding IWUO	* *	*			*			Plan											++	+	-	++-						survey from Jun. to Sep. 2019.	
2) Planning and implementation of baseline survey	* *	+	-		1			Actual Plan																				Baseline survey items have been prepared.	
Analyse the result of baseline survey and identity the current	* *	-	+	-	*	-	-	Actual																				Baseline survey has been planned and implemented.	
problems			\dashv		*		-	Actual													++	++						Data analysis was advanced with partial results.	
(4) Preparation of draft improvement plan	* *	*			*			Plan					++	+				-	+									Preparation of draft improvement plan was drafted and	
To elaborate the draft improvement plan of IWUO management								Plan													++	++			+			shared with C/Ps. The concept of Improvement Plan/Training Plan was	
ed on the activity as written 2.1	1.	*						Actual								1				++	++			+	+			shared with TF members through workshops and the 2nd	
 Holding workshops on the identified problems and on the draft implementation plan 	* *	*			*			Plan													++				+			TF meeting in Aug. 2019. Reorganization of Ngiryi and Nyabuyogera scheme	
(2) Revision of the draft of the improvement plan after workshop	* *	*			*			Actual Plan						+					+	++	+				\blacksquare			conducted. The concept of the draft improvement plan was revised	
(3) Approval of the draft improvement plan at JCC meeting	* *	+	+		+ + +			Actual Plan																				after workshop.	
To train C/Ps as trainers based on the improvement plan		1	++		^ ^ ^			Actual Plan			- 1														\pm			The concept of the draft improvement plan was approved at JCC meeting.	
To dain on a as dainers based on the improvement plan		*	+	*		-		Actual																				Training of C/Ps is being prepared based on the improvement plan	
(1) Planning the training programs	++			+				Plan										-								TF member are now eager		Financial Management Training was conducted in all 4	
				^	^			Actual									7- 3		11						+	training of IWUO managent issue of allowance is sorted		model sites as of Feb. 2021. Special training material is prepared for sensitization of	
(2) Selection of target participants, training schedule and venue, etc.	* *	*		*	*	-	12 15	Plan								B 1 10		++	+	++						Only IWUO members are to	rained at Nooma and	WUT leaders on their responsibility.	
		11	11	++	++	1		Actual			+	++														Rwamagana	and at regome and	Selection of target participants is being prepared.	
(3) Implementation of training of C/Ps							111	Plan																				The training of counterpart on IWUO management mode is not yet conducted.	
of imperioration of italing of G/FS	* *	*		*	*		1114	7.2507			+	+						-	+	++	+	++		+		C/P training was not yet do	ne	The physical discussion with C/Ps such as Acting Project	Travel to the project area is necessary.
								Actual																				Director, Project Manager and Project Implementer has been resumed in Jan 2021.	Site monitoring with C/Ps is ongoing.
To draft IWUO management improvement manuals		*		*				Ptan Actual																				The draft manuals were prepared through discussions	
				11								11						1 1 1			+	+-			+			with C/Ps.	
(1) Formulating draft of the manuals	1+1+1							Plan																		The second draft IWUO ma	anagement plan was	Due to lack of incentive from the Project, C/Ps are not actively participating in giving suggestion and comment of	
The state of the manager	* *	*	Y P	*	*													8			++				+	prepared and submitted to	C/P for comment and	actively participating in giving suggestion and comment of the draft manual.	Some sort of incentive should be arranged to er the full participation of the C/Ps.
								Actual																		suggestion		Manual for capacity development of strengthening of IWUO is being prepared and translated.	the full participation of the off s.
(2) Discussion with C/Ps regarding the draft of the manuals	* *	*		*	*			Plan																		- '		The shared draft manual is being used for training of	
		++	+		1 3.			Actual																				IWUO, but proper discussion with C/Ps was not conducted.	
To conduct IWUO training by C/P trainers in the model sites		*		*				Plan	-																	The process of preparing In seems to take a lot of time		Internal Regulation for Ngiryi and Nyabuyogera are	
		++	1	+	++-			Actual		++		++		- 11												many workshop and discust		drafted	
			11				11/4																			Discussion with other water	unara arawa at		There is a need to reconsider the general sched
		111				Y 31 0		Plan													1 1					Rwamagana site are condu	icted. These water	In Rwamagana model site, water fee for the previous	Project. The discussion about merging IWUO in Ngiryi &
			\perp																							users are mining, car wash Performance agreement is		season is collected from Gashara Cooperative and one o Hillside Irrigator. The other cooperatives are ready to	Nyiramageni will be restarted.
(1) Reorganization/formation of IWUO	* *	*		*	*				+++	++	++	+						5			1-1-				1 1	private hillside irrigators and	the existing four	transfer water fee. IWUO is now ready to pay the salary	District allows to conduct the meeting without the attendance of Vice Mayor, but the meeting was n
								CO.																		cooperatives (waiting for dis Reorganization (re-election)			materialized due to request from cooperative to o performance agreement before the meeting.
		11						Actual																		conducted. The internal reg performance agreement is l	ulation and	meeting and approval of Performance Agreement with	Action plan for 2021/22 has prepared at Rwamag
			11																							the IWUO.	being discussed among	Cooperative.	Since Nyiramageni is excluded from WAMCAB a targeted by SAIP/ KOICA project, reelection of N
	H	-	++	-			\vdash			++	++	++								\perp									IWUO is being prepared.
																										A plan to conducted financia is set to be held in Ngiryi mo			
		11	11					Plan																		Training of lower level IWU	O member is planned to	b	
		11	411					-																		be conducted. As part of OJT on strengthe	ening of IWUO for the	There is a big demand on the training of fish farming and	SOLD FOR SELECTION
2) Planning the training programs with C/Ps	* *	* I	11,	*	*																					first time, the GA will be hell the activity and financial stat		other source of income for IWUO especially in Rwamagana model site.	Training on other source of fund for O&M (e.g. fi
			11				111												-							Meeting was done to arrang		As preparation of fish farming, dam water cleaning is done by IWUO fund in Rwamagana	farming, ecotourism, etc.) for IWUO is being disc There is a need to reconsider the time schedule of
			11		1112	1 1 1																				sites. Short training on how to pre	pare financial statment	Draft annual Action plan is prepared at Rwamagana	Project.
			II		1010			Actual																	1	using Excel is given to FC.		Official registration of IWUO has began.	
			11	11																					1 1	Each Committee is requeste presentation for the first time	e to be presented to		
3) Selection of target participants, training schedule and venue	* *	*	1	*	+			Plan									1 10 10 10		++	1 1	1				- 1	GA meeting.			
	1		+1		11-		H	Actual				+	\Box																
																									F	Financial statement is prepa	ared by each IWUO to	In Rwamagana, erosion control activities were conducted	
								Plan																		check their ability of prepari Performance agreement for	ng it	through community work at Gashara and Cyimpima in	
4) Implementation of training with C/Ps	* *	+	,	*	*																					with cooperative for Rwama	agana to be signed	collaboration with Coop leaders and Agronomist. Discussion with Nyabuyogera farmers was done to	Some sort of incentive should be arranged to en the full participation of the C/Ps. There is a need
																										soon WUO strengthening training	a is conducted in	mobilize and install a night storage facilities by providing land for storage. Once maize plant is harvested the	reconsider the general schedule of the Project. Site monitoring will be conducted to check the sit
								Actual																	1	Nyabuyogera model site.		community are eager to participate as community work.	the model sites where training was conducted.
		44																							i	n Feb and March.	no Hwamagana is cone	Financial statement is prepared by each scheme. DISC meeting is conducted at Rwamagana.	
To improve the draft manuals based on the implementation of ity written as 2.5			,	*	100			Plan																					
Evaluating the result of the training (Phase 1, 2 and 3)	* * :		1	*	1			Actual Plan									+	-				- 8			\Box			The propagation of financial statement by 19910	
		++	++'	1				Actual			T		\Box												\Box			The preparation of financial statement by IWUO shows that the manual of training need to be improved.	
								Plan																		The training manual is being rom trainee and			
2) Revision of the draft manuals																										There is the impression that understood by IWUO becau	the training is not well	The training ion financial management should be give	
) Nevision of the draft manuals	* * 7	'	1	۱ ا	*			-																	S	statement prepared was not	t good (lacks clarity).	again with proper training instructor and by giving enough time to the trainee (Even our NS are not well versed in the	
		11						Actual																		The draft IWUO management and suggestion by	ent model is shared for	subject I think) Action by C/P is very slow.	
								Land B																	1 1	Fraining material for lower le		of on is tory som.	
Discussion with C/Ps regarding the improved manuals	* * 1		1	+	*			Plan Actual												111					0	prepared.			
o set up monitoring and evaluation system for IWUO gement	١,							Plan																					
Setting the monitoring and evaluation system (index)	* * 7	+		+				Actual Plan		+																			
		-	++	+	*			Actual Plan											-										
Planning the target of M & E	* * 7				*			Actual											E 12 2		HF				H				
Prepare the schedule of implementation	* * *				*			Plan Actual			H	+-				-		100											
o implement monitoring and evaluation on relevant activities	,							Plan Actual				H	H																
) Implementation of monitoring and evaluation	* * ;				*	1		Plan																	+			A CONTRACTOR OF THE CONTRACTOR	
Summarization of the M & E result	* * *			1	1			Actual Plan			++		H					+				- 1			\Box				
The same of the sa	A A 7	1 1	1 1		×		1 1	Actual	1 1		-					1 1													

put 3: Operation and maintenance are properly implemented in the	1) 2) 3) 4) 5) 6) 7) 8) 9) 10) 11) 12)	13) 14) 15) Month Apr. May Jun. J	Jul. Aug. Sep. Oct. Nov. Dec. Jan. Feb.	Mar. Apr. May Jun. Jul. Aug. Sep. Oct. No.	2021 . Dec. Jan. Feb. Mar. Apr. May Jun. Jul. Aug. Sep. Oct. Nov. Dec	2022 Responsible Organization		logue & County
. To analyze the current situation in order to identify problems of	noder sites.				, , , , , , , , , , , , , , , , , , ,	c. Jan. Feb. Mar. Apr. Japan	GoR Achievements	Issue & Countermeasure
ration and maintenance (O&M) through baseline survey	* * * *	Plan					The Project implemented basic information collection	
		Actual					from the commencement of the Project and baseline	
1) Setting baseline survey items regarding O&M	* *	Pian Actual					survey from Jun. to Sep. 2019.	
2) Planning and implementation of baseline survey	* * * *	Plan					Baseline survey items have been prepared.	
Analyze the result of baseline survey and identify the current	* * * *	Actual Pian					Baseline survey has been planned and completed by July.	
rooiems	1 ^ ^ ^ *	Actual					Data analysis was advanced with partial results.	
To elaborate the draft improvement plan of O&M in the model sites ed on the activity as written 3.1	* * * *	Plan					The concept of Improvement Plan/Training Plan was	
		Actual					shared with TF members through workshops and the 2nd	
(1) Holding workshops on the identified problems	* * * *	Plan Actual					TF meeting in Aug. 2019. The project held a workshop in each targeted district	
							including all outputs in August and December.	
(2) Formulating the draft of the improvement plan through the		Plan					The concept of Improvement Plan was presented in the	
workshops	^ ^ ^ *	000000					workshop in each district and the 2nd TF meeting in August.	
		Actual					Ideas of work items in Phase 1 and training item for draft	
(3) Approval of the draft improvement plan at JCC meeting	* * * *	Plan					Improvement Plan are being prepared.	
To train C/Ps as trainers based on the improvement plan of O&M	+++	Actual Plan					The concept of the draft improvement plan was approved at JCC meeting.	
Planning the training programs		Actual					The draft manuals were prepared through discussion with	
Selection of target participants, training schedule and venue,	* * *	Plan Actual					C/Ps.	
tc.	* * *	Plan Actual					Training programs are being prepared.	
3) Implementation of training of C/Ps		Plan					Selection of target participants is being prepared.	
To draft O&M manuals		Actual Plan					Training programs are being implemented.	
The second secon	* * * *	Actual					The draft manuals were prepared through discussion with	
1) Formulating draft of the manuals	* * * *	Plan Actual					C/Ps.	
Discussion with C/Ps regarding the draft of the manuals	* * * *	Plan					Ditto	
To conduct IWUO training by C/P trainers in the model sites	+ + + + + + + + + + + + + + + + + + + +	Actual Plan					Ditto	
	* * *	Actual					Training accessors to the first to the	
Planning the training programs with C/Ps	* * *	Plan Actual					Training programs are being implemented.	
Selection of target participants, training schedule and venue, tc.	* * *	Plan					Training programs are being prepared for advance civil training.	
3) Implementation of training with C/Ps	* * *	Actual Plan					Selection of target participants is being prepared.	
To improve the draft manuals based on the implementation of		Actual					Filed visit by JICA HQ in Ngoma 22 was done.	
rity written as 3. 5	* * *	Pian Actual					The draft manuals are being prepared through discussion	
Evaluating the training by Kirkpatrick method	* * *	Plan					with C/Ps.	
2) Revision of the manuals		Actual Pian					Evaluation is being implemented.	
		Actual						
Discussion with C/Ps regarding the improved manuals	* * * *	Plan Actual						
To implement monitoring and evaluation on relevant activities	* * *	Plan Actual						
1) Setting evaluation index	1 + + +	Pian						
2) Planning monitoring and evaluation		Actual Pian						
3) Implementation of monitoring and evaluation on relevant	* * *	Actual						
ctivities	* * *	Plan Actual						
: Water management is properly implemented in the model sites		Actual						
To analyze the current situation in order to identify problems of		Plan						
r management through baseline survey	* * *	Actual					The Project implemented basic information collection	
) Setting baseline survey items regarding water management	* * * *	Plan					from the commencement of the Project and baseline survey from Jun. to Sep. 2019.	
		Actual					Baseline survey items have been prepared.	
Planning and implementation of baseline survey	* *	Pian Actual						
Analyze the result of baseline survey and identify the current oblems	* * *	Plan					Baseline survey has been planned and completed by July.	
o elaborate the draft improvement plan of water management in		Actual Plan					Data analysis was advanced with partial results.	
odel sites based on the activity as written 4.1	* * *						The concept of Improvement Plan/Training Plan was	
Holding workshops on the identified problems		Actual Plan					shared with TF members through workshops and the 2nd TF meeting in Aug. 2019.	
Troding Workshops of the identified problems	* * * *						The project held a workshop in each targeted district	
Formulation the deals of the in-		Plan					including all outputs in August and December.	
Formulating the draft of the improvement plan through the rkshops	* * *						The concept of Improvement Plan was presented in the workshop in each district and the 2nd TF meeting in	
		Actual					August.	
Approval of the draft improvement plan at JCC meeting	* * * *	Plan					Ideas of work items in Phase 1 and training item for draft Improvement Plan are being prepared.	
train C/Ps as trainers based on the improvement plan of water		Actual					The concept of the draft improvement plan was approved	
ment	* * * *	Pian Actual					at JCC meeting. The draft manuals were prepared through discussion with	
Planning the training programs	* * *	Pian					C/Ps.	
Selection of target participants, training schedule and venue,		Actual					Training programs are being prepared.	
Laboratory of the Control of the Con	* * *	Actual					Selection of Demo plot for hillside irrigation was selected	
Implementation of training of C/Ps	* * *	Pien						
draft water management improvement manuals	* * * *	Pian					Training programs are being implemented.	
Formulating draft of the manuals		Actual					The draft manuals were prepared through discussion with	
	* * * *	Actual					Instruction manual for AWD was translated	
Discussion with C/Ps regarding the draft of the manuals	* * * *	Plan						
		Actual					The draft manuals were prepared through discussion with	

Sub-Activities			5) 6)	7) 8)	Rwandan Expert 9) 10) 11) 12) 13) 14) 1	Year Month	2019 Apr. May Jun. Jul. Aug. Sep. O	t Nov I Dec 1	2020	or May I ben I but I	2020	v Dec / I-	oh Mar La	2021	I lava la	LOct Iston In	2022	Anc		Organization	Achievements	Issue & Countermeasures
5. To conduct IWUO training by C/P trainers in the model sites		* *		*	0, 10, 11, 12, 13, 14) 1	Plan				yı. may Jun. Jul. /	og. Sep. Oct. No				n. Aug. Se	J. Oct. Nov. Dec	Jan. Feb. Mar.	Apr.	Japan	GoR		
To do a det in de training by on training in the moderates		<u>^ </u>	4	^ ++		Actual			-H			0 B B B	10 10	10 M	- 1						Training programs are being implemented.	
(1) Phonics the training assessment (1) Phonics			. 1			Plan															Training programs are being prepared. Practical water distribution plan for Rwamagana is under	
(1) Planning the training programs with C/Ps		* *	*	*		Actual							181					\neg			consideration including hillside irrigation ToT to WAMCAB national staff was done by Japanese	
(2) Selection of target participants, training schedule and venue,			+	-	+++++	Plan		+++	+												expert about preparation of water distribution plan.	
etc.		* *	*	*		Actual						8 8 8 8	IN	8.8							Selection of target participants is being prepared.	
						Plan		+++	+++	1 1 1 1							FERE	8			Basic Water Management Training was conducted to	
(3) Implementation of training with C/Ps		* *	*	*		Actual															O&M Team, Farmers' Repair Team and Water Users Team Leaders	
6. To improve the draft manuals based on the implementation of		*	1	1		Plan		+++	+++												The draft manuals are being prepared through discussion	
tivity written as 4.5	H		\rightarrow	*	+	Actual Plan									1						with C/Ps.	
(1) Evaluating the training by Kirkpatrick method		*	*	*		Actual										I					Evaluation is being implemented.	
(2) Revision of the manuals		*	*	*		Plan Actual																
(3) Discussion with C/Ps regarding the improved manuals		*	*	*		Plan Actual		+++	+H									-				
7.To implement monitoring and evaluation on relevant activities		*	*			Plan Actual									8 200							
(1) Setting evaluation index		*	*			Plan																
(2) Planning monitoring and evaluation		*	1	+		Actual Plan		+++					++			+++		-				
(3) Implementation of monitoring and evaluation on relevant			-	+		Actual																
activities at 5: Farm management is properly implemented in the model sh	too	*	*			Actual																
ot 5: Parm management is properly implemented in the model si	les.	T	П	TT	THEFT			TIT	TIT	1111	111				T	1 1 1		-				
	111					Plan															The Project implemented basic information collection from the commencement of the Project and baseline	
1.To analyse the current situation in order to identify problems of iricultural extension and farm management through baseline survey	111		*						+++		+	+	+		++	+++					survey from Jun. to Sep. 2019. In addition, the production	
						Actual															record of cooperatives were collected and the necessary survey on farming was conducted.	
	H	-	+	+					+++	+	+++		+		++	+++		Th	ne questionnaire survey			
(1) Setting baseline survey items regarding farming and agriculture extension			*			Plan												for	r farmers about		Baseline survey items have been prepared.	
EXIGNOUT						Actual													strition have been		The state of the s	
(2) Planning and implementation of baseline survey		*	* *	* 1	*	Plan															Baseline survey has been planned and completed by	
(2) Analysis the year it of baselies array and identify the average		+	+	+		Actual		+++	+++	+	+++		++		++-	+++		-			August. Data analysis was advanced with partial results.	
(3) Analyse the result of baseline survey and identify the current problems	* *	* *	* *	* *	*	Actual			+++	+	+++	+++	++		++			-			Discussions on the current situation and problems have	
2.To extract suitable methodologies from lessons learnt through		1	1	++		Plan									++	+++		-			been conducted with C/P.	
elevant projects		-		+		Actual															Information from the relevant projects has been collected.	
(1) Collecting information from relevant projects			*			Plan Actual									++	+++					Information from relevant projects has been collected.	
(2) Organize the collected information and lessons learnt			*		1 12 70 71 01 14	Plan															Analyse and organize the collected information and	
		-	-	-		Actual					+++		+	HH	++	+++		-	-		lessons learnt with C/P Preparation of draft concept of the improvement plan.	
(3) Extract suitable methodologies	* *	* *	* *	* * :	*	Actual					+++		++	HH	++-		++++	-			The draft improvement plan was approved at JCC	
2. To be in C/De as believe hand on the witching of hadden			+.	.		Plan												+			meeting and was shared at TF meeting.	
To train C/Ps as trainers based on the suitable methodologies			*	*		Actual				0 0 0				1			-	F ()			Training programs are being prepared.	
(1) Planning the training programs			*	*		Plan Actual							-		++	+++					Ditto	
(2) Selection of target participants, training schedule and venue,			$\neg \neg$			Plan															Ditto	
etc.		+	+	+		Actual Plan				10 10 10					++	+++	++++	-			Ditto	
(3) Implementation of training of C/Ps			\perp	\perp		Actual							B B B	1 -	8.8						Ditto	
4. To elaborate farm management training texts			*	*		Plan		+++										-			The draft manuals were prepared through discussion with C/Ps.	
(1) Formulating draft of the texts			*	*		Plan															Ditto	
		-	-	-		Actual Plan							+	++	++	+++	+++	-			Ditto	
(2) Discussion with C/Ps regarding the draft of the texts						Actual															Ditto	
(3) Elaborate the texts in cooperation with C/Ps						Plan Actual		+													Ditto	
			+		11111	-													ooperative managemen	t and nervier	In order to examine a new implementation structure, pre-	
5. To conduct training by C/P trainers in the model sites	111					Plan												ma	ainstreaming training w	ere conducted for	training was conducted in February 2020.	
5. To conduct training by C/P trainers in the model sites	111		*	*		Antoni						SIED THE						co	operatives in all four (4 arketing training was co) model sites. Also, anducted for a horticulture	The main implementer in the new structure was not C/Ps but WAMCAB experts and field collaborators in the future	
						Actual												co	operative in Nyabuyog	era model site.	C/Ps (TF members) are mainly responsible for M/E.	
						Plan													ne draft manuals of aking crop calendar			
(1) Planning the training programs with C/Ps					+++++	Actual							100					wa	as prepared in		Ditto	
(2) Selection of target participants, training schedule and venue,	H	+	+	+		Plan		+++					100					ma	arketing training.			
etc.						Actual															Ditto	
				T		Plan												13			Demonstration farms for paddy rice production from	
(3) Implementation of training with C/Ps								+++													December 2020 was conducted. There was flood in Nyabuyogera scheme and Ngiryi	Due to the severe restrictions against COVID-19 training programs have been postponed.
						Actual															scheme and some crops were destroyed iincluding demo farms in Nyabuyogera at the end of Oct 2021.	g programs nave been postpored.
						Plan							1 18								For above-mentioned pre-training, M/E indicators were	
6. To implement monitoring and evaluation on relevant activities			*			Actual				+	+++										prepared by applying Kirkpatrick method. After implementing M/E in the pre-training, the results were	
E. Accessor of the Control of the Co						Plan								\Box	44						shared and discussed with C/Ps.	
(1) Setting evaluation index						Actual									++	111					Dítto	
(2) Planning monitoring and evaluation						Plan															Ditto	
(3) Implementation of monitoring and evaluation on relevant			+	+		Actual Plan		+++			+++		+		++			-				
activities						Actual		1	100			1							1		Ditto	

Sub-Activities	Japanese Expert 1) 2) 3) 4) 5) 6) 7) 8)	Rwandan Expert	Year		2019			2020		2020					21			2022	Responsible Organization		
		9) 10) 11) 12) 13) 14) 15)	Month A	Apr. May Jun.	Jul. Aug. Se	ep. Oct. Nov.	Dec. Jan. Fe	eb. Mar. Ap	or. May Jun. J	Jul. Aug. S		Dec. Jan. F	Feb. Mar. A			Sep. Oct.	Nov. Dec.			Achievements	Issue & Countermeasures
							- 1														
			Plan	F	irst Phase:	Survey/Plann	ing Phase					Second	Phase: Te	chnical Guid	lance Phas	se			First Phase finished and Second Phase starts one	The planned activities in 2020 have had some difficulties	Revised program has been discussed between C/P
uration / Phasing			Actual							H									month ahead of the schedule.	on operation due to the COVID-19 pandemic.	the Project.
onitoring Plan			Year		2019			2020		2020	0			20)21			2022	T	The state of the s	
Control of the Contro			A	Apr. May Jun.	Jul. Aug. Se	ep. Oct. Nov.	Dec. Jan. Fe	eb. Mar. Ap	or. May Jun. J	Jul. Aug. S	Sep. Oct. Nov.	Dec. Jan. F	Feb. Mar. A	or. May Jun.	Jul. Aug.	Sep. Oct.	Nov. Dec.	Jan. Feb. Mar.	Apr. Remarks	Achievements	Issue & Countermeasures
onitoring																					
			Plan																In the first phase, 1st and 2nd JCC meetings were organized. Gisagara district was selected as one of the three	The 3rd JCC meeting was held on 13th August 2020. The 4th JCC meeting was held remotely on 18th Dec.	
Joint Coordinating Committee			Actual								***************************************								model areas at the 1st JCC meeting.	2020. The 5th JCC meeting was held remotely on 23rd July	
Set-up the Detailed Plan of Operation			Plan	180															Detailed Plan of Operation for the first Phase was approved at the 1st JCC.	Detailed Plan of Operation for the second Phase was approved at the 3rd JCC.	
			Actual			111		44										\rightarrow			
Task Force Meeting			Plan																In the first phase, 1st to 4th TF meetings were	The 5th TF meeting was held remotely on 10th July 2020 The 6th TF meeting was held remotely on 13th Nov. 2020. The 7th TF meeting was held remotely on 17th Dec.	
The state st			Actual																organized.	2020. The 8th TF meeting was held remotely on 21st May 2021 The 9th TF meeting was held on 10th Sep. 2021. The 10th TF meeting was held on 21st Oct. 2021.	
Submission of Monitoring Sheet			Pjan								111111111111111111111111111111111111111								JCC members confirmed the project outputs and activities at the JCC meetings.	JCC members confirmed the project outputs and activities at the 4th JCC meeting. In the meeting, Monitoring Sheet #03 was finalized, and the proposed	
Submission of worldoring Sheet			Actual																In the first phase, Monitoring Sheet #01 and #02 were finalized.	amendment of Project Indicators were approved, JCC members confirmed the project outputs and activities at the 5th JCC meeting, and Monitoring Sheet #04 was approved.	Signing procedure of Monitoring Sheet #04 is ongoin
Monitoring Mission from Japan			Plan																		
months in the second se			Actual																		
Joint Monitoring			Plan																	Biannual joint monitoring was conducted at the 3rd JCC meeting. Biannual joint monitoring was conducted at the 4th JCC	
			Actual																based on the Monitoring Sheets.	meeting. Biannual joint monitoring was conducted at the 5th JCC meeting.	
Post Monitoring			Plan						+ 1										in 2027 (3 years after the termination)		
pports/Documents			Actual				++	++	+++	+	+			++				+			
Progress Report			Plan Actual																		
Project Completion Report			Plan Actual							+											
blic Relations																					
N. C.			Plan Actual																		
			Plan Actual					4													

TO CR of JICA RWANDA OFFICE

PROJECT MONITORING SHEET

Project Title: Project for Water Management and Capacity Building (WAMCA

Version of the Sheet: Ver.6 (Term: November 2021 - April 2022)

[Japanese side] Name: Norio KUNIYASU

Title: Chief Advisor / Irrigation Policy

[Rwandan side] Name: Emile RUZIBIZA

Title: Project Manager

Submission Date: 27thy

I. Summary

1 Progress

1-1 Progress of Inputs

Japanese side

- Technical inputs remotely and physically provided by the experts: (1) Chief Advisor / Irrigation Policy, (2) Deputy Chief Advisor / Irrigation Policy, (3) IWUO Management,
 - (4) Water Management / O&M, (5) Water Management / O&M / Capacity Development,
 - (6) Farm Management, (7) Coordinator / Training, (8) Support for IMT Promotion, (9) Nutrition-sensitive Farm Management
- Eight Local Experts (National Staff: NS): (1) Local Coordinator / IWUO Officer, (2) 2
 Irrigation Engineers, (3) 2 Agronomists, (4) Assistant IWUO Officer, (5) Coordinator of Field Collaborators, and (6) Logistic / Monitoring and Evaluation
- Five Field Collaborators (FCs) in each model site of Ngoma, Rwamagana and Gisagara, who will be hired by the IWUOs/Cooperatives in the future as a manager and/or supporting staff
- Local operation cost for counterparts (C/Ps) and Task Force (TF) members who
 participate in the TF meeting, project training, study tour, evaluation, etc. until the end
 of Fiscal Year (FY) 2022/2023 (from July 2021 to June 2023)
- Local operation cost (transportation fees) to the farmers who participate in the project training, study tour, etc. until the end of FY 2022/2023 (from July 2020 to June 2023).

Rwandan side

- Assignment of C/Ps: (1) Project Director, (2) Deputy Project Director, (3) Project
 Manager, (4) Chief Implementer, (5) TF members at central, station and district level
- Project office at RAB HQs in Rubona / Huye and a temporal office at SPIU/MINAGRI

in Kigali.

1-2 Progress of Activities

Activity 1

- Activity 1.1 To identify problems of the current implementation of IMT procedures through baseline survey
- Activity 1.2 To identify problems of division of roles for the promotion of IMT and supports of IWUOs through baseline survey
- Activity 1.3 To identify problems of IWUO supporting system through baseline survey
- Activity 1.4 To select model sites upon the approval at JCC
- Activity 1.5 To implement the activities addressing to the above-noted problems
- Activity 1.6 To monitor the progress
- Activity 1.7 To draft IMT implementation manuals for IMT procedures, support system (including division of roles), support contents and monitoring
- Activity 1.8 To help C/Ps to draft proposal of amendment of the IWUO Policy and Strategy, and the Ministerial Order

(Progress) As a series of webinars, the 5th webinar on "Establishment and Management of Land Improvement Districts in Japan" by Prof. SATOH Masayoshi in charge of Support for IMT Promotion was organized on 25th November 2021. The manuscript preparation and recording of the "Radio Training Program (Part II)," covering 10 themes, was completed, and a total of 10 broadcasts began in March 2022.

The Project gathered information on the conditions and procedures for creation of a federation / umbrella of IWUOs from RGB, and initiated discussions with each target District and RAB Station regarding the concept. To promote active collaboration with local government, the Project continues to involve Sectors related to the Project model site as well as District Irrigation Steering Committee (DISC).

As reported in the M/S #5, in partial collaboration with the EU-supported TECAN¹, also in response to a request to contribute to a review of Irrigation Strategic Plan by MINAGRI, the Project conducted a desk survey and sample field survey in 50 irrigation schemes to examine survey methodology for the development of irrigation scheme inventory in the future.

¹ TECAN: Technical Assistance to Enhance the Government of Rwanda's Capacities in the Agriculture Sector for the Sustainable Use of Land and Water Resources, Value Creation and Nutrition Security



In addition to the above-mentioned surveys, based on discussions among MINAGRI, the Mid-term Monitoring Team from JICA HQs and the Project team in November 2021, it was agreed that the Project will support to develop the "Irrigation Strategic Plan" by managing the sub-contract and directly implementing part of the field surveys, which will promote and contribute to policy discussion and recommendation by WAMCAB. After the Terms of Reference (TOR) for this work were finalized by MINAGRI in April 2022, the Project initiated the process for the sub-contract.

To encourage the involvement of TF members, the Project continues to discuss the inclusion of project activities in the TF members' *Imihigo* (Performance Contract) or Action Plans for the next Rwanda fiscal year beginning in July 2022.

Activity 2

- Activity 2.1 To analyse the current situation in order to identify problems through baseline survey
- Activity 2.2 To elaborate the draft improvement plan of IWUO management based on the activity as written 2.1.
- (Progress) As reported in the M/S #4 and #5, based on the analysis of the existing situation of IWUOs in the model sites, the IWUO Management Model consisting of 9 steps is proposed and examined in each model site.
- Activity 2.3 To train C/Ps as trainers based on the improvement plan
- (Progress) As reported in the M/S #5, due to difficulties in the cascading implementation structure including TOT training for C/Ps, capacity development of IWUO is mainly conducted by NS and FCs with monitoring by C/Ps. Meanwhile, the first training for TF members on IWUO management model was conducted on 4th November 2021.

Based on the improvement Plan, technical support and guidance for IWUOs continues. (e.g. appropriate financial management, water fee collection, strengthening of lower level structure of IWUO, securing an office, General Assembly meeting for transparency and accountability exercise, etc.)



Activity 2.4 To draft IWUO management improvement manuals

Activity 2.5 To conduct IWUO training by C/P trainers in the model sites

Activity 2.6 To improve the draft manuals based on the implementation of activity written as 2.5.

(Progress) As mentioned above, capacity development of IWUO has been continued mainly by NS and FCs with monitoring by C/Ps.

The actual scheme management by IWUO or Scheme Management Committee (SMC) under Cooperative is ongoing in each model site. Based on the insights and issues identified through the actual activities, IWUO management improvement manuals will be updated.

The composition of IWUO management improvement manuals that have been prepared (or are planned to be prepared) and the progress of each are as follows.

- ◆ IWUO strengthening for leaderships (Ver.1)
- ◆ Sensitization to WUT (Ver.1)
- ◆ Financial Management (Ver.1)
- ◆ IWUO Irrigation Management Model (Ver.1)
- ◆ Monitoring and Evaluation (M&E) (Ver.0)
- Activity 2.7 To set up monitoring and evaluation system
- Activity 2.8 To implement monitoring and evaluation on relevant activities

(Progress) As the evaluation of capacity development, by using the Kirkpatrick method, follow-up surveys to monitor the behaviour change (level-3) were conducted in February 2022 for the training on IWUO strengthening and Financial Management.

Since the involvement of DISC in M&E of IWUO is crucial, the Project continues to support the reactivation and readjusting of DISC activities and organizing DISC meetings in each target District.

Concerning the Online Study Tour to Ngiryi and Nyabuyogera model sites, video materials were distributed to TF members in March 2022. On the other hand, with the relaxation of restrictive measures under COVID-19 and in order to accelerate the ownership by the TF members, the 10th to 12th TF meetings were held on a rotating basis in the target Districts, together with the physical study tour to each model site.





Activity 3

- Activity 3.1 To analyse the current situation in order to identify problems of operation and maintenance (O&M) through baseline survey
- Activity 3.2 To elaborate the draft improvement plan of O&M in the model sites based on the activity as written 3.1.
- Activity 3.3 To train C/Ps as trainers based on the improvement plan of O&M
- Activity 3.4 To draft O&M manuals
- Activity 3.5 To conduct IWUO training by C/P trainers in the model sites

(Progress) Due to difficulties in the cascading implementation structure including TOT training for C/Ps, capacity development of IWUO and training activities are mainly conducted by the NS of the Project and FCs in the model sites with monitoring by C/Ps. Meanwhile, training for TF members is gradually increasing.

Based on the Improvement Plan / Training Plan, the Project has conducted a series of activities as follows (from November 2021 until April 2022):

- ◆ Training on advance civil work in Nyabuyogera in January 2022
- ◆ Workshop for TF members on formulating O&M plan and water distribution plan in February 2022
- ◆ Facility inspection and support of community work in each model site.
- Activity 3.6 To improve the draft manuals based on the implementation of activity written as 3.5.
- Activity 3.7 To implement monitoring and evaluation on relevant activities
- (Progress) The list of manuals that have been prepared (or are planned to be prepared) and the progress of each are as follows.
 - ◆ Basic civil work (Ver.1)
 - ◆ Advance civil work (Ver.0)
 - ◆ Formulating O&M plan (Ver.1)

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Activity 4

- Activity 4.1 To analyse the current situation in order to identify problems of water management through baseline survey
- Activity 4.2 To elaborate the draft improvement plan of water management in the model sites based on the activity as written 4.1.
- Activity 4.3 To train C/Ps as trainers based on the improvement plan of water management
- Activity 4.4 To draft water management improvement manuals
- Activity 4.5 To conduct IWUO training by C/P trainers in the model sites

(Progress) Due to difficulties in the cascading implementation structure including TOT training for C/Ps, capacity development of IWUO and training activities are mainly conducted by the NS of the Project and FCs in the model sites with monitoring by C/Ps. Meanwhile, training for TF members is gradually increasing.

Based on the Improvement Plan / Training Plan, the Project has conducted a series of activities as follows (from November 2021 until April 2022):

- ◆ Training on on-farm water management and water-saving irrigation in Rwamagana and Ngiryi in December 2021
- ◆ Workshop for TF members on formulating O&M plan and water distribution plan in February 2022
- ◆ Monitoring the actual amount of water consumption rate in a paddy filed and Alternate Wetting and Dry (AWD) farming is practiced in the Project demo farms of Cyaruhogo and Ngiryi.
- ◆ Soil moisture condition has been measured and recorded in the Project demo farm of Ngoma.
- Activity 4.6 To improve the draft manuals based on the implementation of activity written as 4.5.
- Activity 4.7 To implement monitoring and evaluation on relevant activities
- (Progress) The list of manuals that have been prepared (or are planned to be prepared) and the progress of each are as follows.
 - ◆ On-farm water management (Ver.0)
 - ◆ On-farm water-saving irrigation (Ver.1)
 - ◆ Formulating water distribution plan (Ver.1)





Activity 5.1 To analyse the current situation in order to identify problems of agricultural extension and farm management through baseline survey Activity 5.2 To extract suitable methodologies from lessons learnt through relevant projects Activity 5.3 To train C/Ps as trainers based on the suitable methodologies Activity 5.4 To elaborate farm management training texts

To conduct training by C/P trainers in the model sites

(Progress) Due to difficulties in the cascading implementation structure including TOT training for C/Ps, capacity development of IWUO and training activities are mainly conducted by the NS of the Project and FCs in the model sites with monitoring by C/Ps and partially in collaboration with RAB TF members or Sector Agronomists.

Based on the Improvement Plan / Training Plan, the Project has conducted a series of activities as follows (from November 2021 until April 2022):

- ◆ Training on cooperative management and gender mainstreaming in Nyabuyogera in November 2021, Cyaruhogo in December 2021, Ngoma and Ngiryi in February 2022
- < Demo farms for rice cultivation in Rwamagana and Ngiryi >
- ◆ A series of rice cultivation training in season 2021-22A: (1) harvesting in Cyaruhogo in December 2021
- ◆ Results analysis of farming activities in season 2021-22A
- ◆ A series of rice cultivation training in season 2022B: (1) sowing and seedling in Cyaruhogo in January 2022, (2) transplanting in Cyaruhogo in February 2022
- < Demo farms for horticulture cultivation in Ngoma and Nyabuyogera >
- ◆ A series of horticulture cultivation training in season 2021-22A: (1) pest control in Ngoma in November 2021, (2) post harvesting in Ngoma in January 2022
- ◆ Results analysis of farming activities in season 2021-22A

Activity 5.6 To implement monitoring and evaluation on relevant activities

(Progress) As the evaluation of capacity development, by using the Kirkpatrick method,
 i) follow-up surveys to monitor the behaviour change (level-3) were conducted in January 2022 for the training on cooperative management and



Activity 5.5



gender mainstreaming, and ii) satisfaction questionnaire surveys (level-1) were conducted in April 2022 for the series of cultivation training both of rice and horticulture.

1-3 Achievement of Output

Output 1 Irrigation Management Transfer (IMT) procedure, support system (including the roles of stakeholders), and contents of support to IWUO and procedures of monitoring are identified

- Discussions on the creation of a federation / umbrella of IWUOs are progressing. As a first step towards this, "Coordinating Committee of Rwamagana (CCR)" was established in Rwamagana District at the extraordinary DISC meeting on 26th March 2022.
- Functioning of DISCs and involvement of local authorities at the sector level are strengthened. As seen in the above-mentioned activity, the involvement of Rwamagana District is expanding such as periodical DISC meetings and monitoring activities by the team consisting of District officials, IWUO, Cooperatives, etc.
- To ensure the achievements and improve the added value of the Project, Radio Training Program, a series of Webinars and Online Study Tours were conducted.
- The Project hosted the press tour to Cyaruhogo model site by seven Rwandan media companies on 16th February 2022, which was organized by the Embassy of Japan in Rwanda. Also, Cyaruhogo model site have received a press tour by the Eastern Province, a site visit by delegations of the parliament, and another site visit by the Minister of MINALOC.

Output 2 IWUO management is enhanced in the model sites.

- As reported in the M/S #5, the Project has provided technical guidance for IWUO in each model site through the capacity development of FCs, who are working for IWUOs as managers and temporarily hired by the Project, and the following improvements are observed.
 - ◆ Water fees are being collected in accordance with the Performance Agreement with cooperatives, individual farmers and other water users in the scheme.
 - ♦ After April 2022, IWUOs in Ngoma, Cyaruhogo and Ngiryi has started to employ the Manger by cost-sharing with the Project. In particular, the Cyaruhogo IWUO is proactive from the beginning of the hiring process and covering full salaries for six operators and temporary irrigators as well as the half of the IWUO manager's salary.





- ♦ All IWUOs or SMC under Cooperative has secured their own office. Ngiryi IWUO and Nyabuyogera SMC covered the labour cost to repair the office, while the Project supported the material cost.
- ◆ Preparation and/or organization of IWUO General Assembly (GA) meeting is progressing.

Output 3 Operation and maintenance are properly implemented in the model sites.

- Based on the Improvement Plan / Training Plan, a series of training and activities have been conducted for a total of 64 beneficiaries.
- Workshop for TF members on formulating O&M plan for TF member was conducted.
- The Project has provided technical assistance to IWUO in the model sites for the periodical inspections of facilities, maintenance, construction (drainage crossing canal in Nyabuyogera) and repair by community work (road drainage in Cyimpima), etc.

Output 4 Water management is properly implemented in the model sites.

- Based on the Improvement Plan / Training Plan, a series of training and activities have been conducted for a total of 50 beneficiaries.
- Workshop for TF members on formulating water distribution plan for TF member was conducted.
- In collaboration with Output 5, the Project has provided technical assistance in the four demonstration farms (rice cultivation in Cyaruhogo and Ngiryi, and horticulture cultivation in Ngoma and Nyabuyogera).

Output 5 Farm management is properly implemented in the model sites.

- Based on the Improvement Plan / Training Plan, a series of training and activities have been conducted for a total of 421 beneficiaries.
- The Project has provided technical assistance in the 4 demonstration farms (rice cultivation in Cyaruhogo and Ngiryi, and horticulture cultivation in Ngoma and Nyabuyogera).

1-4 Achievement of the Project Purpose

Project Purpose The capacity of irrigation scheme management improves in the model sites

- Based on the Improvement Plan / Training Plan, a series of training and activities are conducted.
- As mentioned above in 1-3 Achievement of Output, there has been an improvement





especially in the activities related to IWUO management (Output 2), which is expected to the improvement of other Outputs and interactions between Outputs.

1-5 Changes of Risks and Actions for Mitigation

For the prevention measures against COVID-19, the Project follows the rules and guidance by the cabinet resolutions. The Project shall continue to take necessary measures as the situation changes.

1-6 Progress of Actions undertaken by JICA

- Under unstable circumstances, to ensure the achievements and improve the added value of the Project, additional works (1) Webinar, (2) Online Study Tour, (3) Radio Training Program were conducted.
- Mid-term Monitoring by JICA HQs was conducted from 4th November 2021 to 13th
 November 2021.
- As reported in the M/S #4, regarding the functionalization of irrigation facilities in Ngoma 22, necessary actions and the scope of each institution's response were identified. After April 2022, the restoration work by the Japanese side (consultant at that time of construction), installation / replacement of irrigation equipment by IWUO with the support of WAMCAB and their capacity development are ongoing.
- As described in **1-2**, based on discussions among MINAGRI, the Mid-term Monitoring Team and the Project team, it was agreed that the Project will support to develop the "Irrigation Strategic Plan" by managing the sub-contract and directly implementing part of the field surveys, which will promote and contribute to policy discussion and recommendation by WAMCAB. After the TOR for this work were finalized by MINAGRI in April 2022, the Project initiated the process for the sub-contract.
- Regarding the issue of budget for local operation and activity cost affected by COVID-19, JICA Rwanda office and RAB had agreed that JICA should temporarily cover the cost from July 2021 until March 2022. In addition, considering the prolonged impact by COVID-19, they discussed and agreed again on 20th April 2022 to extend this temporary measures up until June 2023.

1-7 Progress of Actions undertaken by Gov. of Rwanda

The Government of Rwanda, through the Cabinet, Ministry of Health and other responsible authorities, periodically reviews the restrictive measures to contain the spread of the COVID-19 pandemic and instructs necessary actions.



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1-8 Progress of Environmental and Social Considerations (if applicable)

As a result of the election of the local government that started in October 2021, some of the persons in charge of the Project were changed. Thus, to promote a common understanding for the plans / policy of the Project with the newly elected officials, the Project team organized a meeting in each target District in February 2022. For the reactivation of DISC activities and realization of appropriate management of IWUO, continued support and follow up by the District are necessary.

1-9 Progress of Considerations on Gender/Peace Building/Poverty Reduction (if applicable)

N/A

- 1-10 Other remarkable/considerable issues related/affect to the project (such as other JICA's projects, activities of counterparts, other donors, private sectors, NGOs, etc.)
- As reported in the M/S #4 and #5, the new organizational structure of RAB has been announced by the Prime Minister's Order No. 096/03 on 14th August 2020. However, the structure and list of SPIU (Single Project Implementation Unit), to which the Core C/Ps belong, have not been finalized.
- As reported in the M/S #4 and #5, as follow-up activities for the "Sector Policy Loan for the Nutrition Improvement through Agriculture Transformation", the Project supported the basic information collection, supplemental interview survey, dietary survey, etc. for the future extension and dissemination of the developed crop calendars. Activities after April 2022 shall be taken over by the JICA Nutrition Policy Advisor, National Child Development Agency.
- Nyabuyogera model site is one of the rehabilitation targets in CDAT (Commercialization and De-Risking for Agricultural Transformation Project) by World Bank. Collaboration and demarcation between WAMCAB and CDAT need to be discussed.
- To avoid the duplication of similar activities in the same schemes, Ngoma and Nyabuyogera model site were shifted from the scope of HoReCo.

2 Delay of Work Schedule and/or Problems (if any)

2-1 Detail

As reported in the M/S #5, there has been a slight delay in the overall progress particularly with regard to cross-cutting and advanced technologies and activities requiring direct technical assistance by the Japanese experts, although as the situation

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- of COVID-19 calms down, of which the activities are gradually progressing.
- As reported in the M/S #5, due to the difficulties and lack of involvement of TF members especially for M&E, the preparations and discussions for the third phase "Institutionalization and Extension Preparation Phase" have not been progressed. However, increased involvement can be seen in the participation in the training for TF members, implementation of training and/or training evaluation, activation of monitoring activities through DISC, etc.

2-2 Cause

- As reported in the M/S #5, in order to follow the necessary measurements and intermittent restrictions against COVID-19, the Project needs to change the implementation timing, scale, method, etc. of the activities from the original plans.
- As reported in the M/S #5, by a temporal cost-covering by JICA, the situation is being improved. However, as facilitation for the local operation and activities cost had been limited for a long time, the gaps have not been filled in.

2-3 Action to be taken

As reported in the M/S #5, in view of the combined impact of the COVID-19 over a long period of time and the current progress, an extension of the second phase "*Technical Guidance Phase*" was proposed and approved at the 6th JCC meeting in November 2022. The Project duration was also modified from five years to six years.

2-4 Roles of Responsible Persons/Organization (JICA, Gov. of Rwanda, etc.)

3 Modification of the Project Implementation Plan 3-1 PO

 As described below, following the modification of PDM, the target duration and activity schedule of the PO shall be updated accordingly.

3-2 Other modifications on detailed implementation plan

(Remarks: The amendment of R/D and PDM (title of the project, duration, project site(s), target group(s), implementation structure, overall goal, project purpose, outputs, activities, and input) should be authorized by JICA HDQs. If the project team deems it necessary to modify any part of R/D and PDM, the team may propose the draft.)

 Based on the discussions and consensus at the 6th JCC meeting, the PDM and PO were amended as follows:





PDM: Considering the disruption of the Project activities by the spread of COVID-19, it was agreed to extend the Project duration from five (5) years (2019 – 2024) to six (6) years (1 April 2019 – 31 March 2025). The extended duration is the minimum required to complete the panned activities and achieve the Project purpose.

PO: Following the modification of PDM explained above, the target duration of the PO shall be extended until March 2025 and actively bar shall be updated accordingly.

Minutes of Meetings to confirm the above-mentioned amendment was signed between RAB and JICA on 4th March 2022.

4 Preparation of Gov. of Rwanda toward after completion of the Project

II. Project Monitoring Sheet I & II as Attached

Annex I Project Monitoring Sheet I (Revision of PDM)

Annex II Project Monitoring Sheet II (Revision of PO)

Annex III Progress Summary of Improvement Plan and Training Plan (as of April

2022)



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Sub-Activities		panese Expert		Rwanda (10) (11) 12		Year Month	Apr. May Jun. Jul.	Aug Sep Oct 1	lov Dec. Jan. Feb	b. Mar. Apr. May J.	2020 un. Jul. Aug. S	ep Oct Nov Dec	Jan. Feb. Mar.	Apr. May Jun. Ju	Aug Sep Oct No	Dec. Jan. Feb. 1	Mar. Art May Jun	AL ALD SHE	Del Nos Dac D	an Tuti Mar Apr.	2023 May Jun. Jul. /	Aug Sep Oct Nov	Dec. Jan. Feb.	Mar. Apr. May	Jun Jul Aug Sep.	Oct. Nov. Dec.	Jan Feb. Japan	GoR	Achievements	issue & Countermeasures
i. To select model sites upon the approval at JCC					100 140 15	Plan.																							Based on the review of basic information collection and the results of baseline survey, workshops and the 2nd TF meeting were held in Aug. 2019. TF members and the Project team broadly agreed on model sites in each	
3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -						Actual																							district. The final decision was made in the 2nd JCC meeting in Nov. 2019.	
) Considering the possible candidates for model sites	* *		*	* *		Pian Actual					+																		Ditto	
) Preparing a shortlist of model sites	* *		*	* *		Plan Actual		100 (02)		\Box	\blacksquare						++-												Ditto	
Setting the criteria for selecting model sites	* *		*	* *		Plan Actual																			1 4 2 2				 Based on the progress report of analyzing the baseline survey, workshops in each district wore held and discussion of the criteria for selecting model sites was started. 	
Determination of the model sites	* *		*	* *		Plan																							Based on the discussion of the workshop in each district, the model sites were decided in the 2nd TF meeting in August. The final decision was made in the 2nd JCC meeting.	
Preparing document for the JCC	* *	++	1	1		Plan																							Necessary document was prepared for the 2nd JCC meeting.	
	111		11	111		Actual Plan					+++	++-	+	+	+++	HH	+++	++	HH	+++	+++	++-	HH	+	+++				The concept of Improvement Plan/Training Plan was	
implement the activities addressing to the above-noted as	* *	*	*	*		Actual																							shared with TF members through workshops and the 2nd TF meeting in Aug. 2019.	
Setting a direction of activity against the current obstacles	* *	*	*	*	+++											\Box													Ditto	
Setting a series of the activities and schedule	* *	*	*	*	+++	200000000000000000000000000000000000000					\blacksquare																		The concept of the improvement plan and training plan	
Setting the responsible and expenditure in accordance with each tivity	* *	*	*	*		Plan Actual					H				HH	HH	+++			+++					+++				was shared in workshops in each district and the 2nd TF meeting and the responsible persons in Rwanda and Japanese side were confirmed.	
Implementing a series of the activities	* *	*	*	*		Plan Actual																					Presentation on Japanese Policy was given in the TF meeting.		Based on the result of baseline survey, the draft Improvement Plan/Training Plan is being prepared.	
Summarizing the series of the activities	* *	*	*	*		Pian Actual				GH .																			The draft improvement Plan/Training Plan is being summarized.	
p monitor the progress	* *	*	*	*		Plan Actual			1 30 50																				Same as 1.5	
Setting a direction of monitoring activity		9 5 5				Plan																							Same as 1.5 (1)	
Setting a series of the activity and schedule	* *	*	*	*		Pian																							Same as 1.5 (2)	
Setting the responsible and expenditure in accordance with each	* *	*	*	*		Pian		200	+++		+		H	+++				HH											Same as 1.5 (3)	
Implementing a series of the activities	* *	*	*	*		Plan																					Presentation on Japanese Policy was given in the TF meeting.		Implementation of a series of the activities has been monitored.	
Summarizing the series of the activities	* *	*	*	*		Plan Actual																							Monitoring activities are being summarized.	
o draft IMT implementation manuals for IMT procedures, support contents and monitoring (including division of roles), support contents and monitoring	ert * *		* *	* *		Plan																							In order to propure draft Implementation manuals, the action was standed in advance. The first and second WAMCAB Webbans (web seminars) by Prof. Satch were organized on 23rd October and 27th November 2020. The third Webbrar by Dr. Satch was organized on 21st May 2021.	
Setting a direction of preparation of IMT implementation	* *	THOUSE.	* *	* *		Plan										\Box													Ditto	
Formulating drafts of the manuals	* *		* *	* *		Plan								188 I IN			86 88 -		100 - 10	199				796					Ditto	
mproving the drafts	* *		$\overline{}$	* *		Pian														100	- 65	100		200					Ditto	
help C/Ps to draft proposal of amendment of the IWUO Polic ategy, and the Ministerial Order		*	* *	* *		Pian Actual																							In order to prepare draft proposal of amendment of the IWUO Policy and Strategy and the Ministerial Order, the action was started in advance. The first and second WAMCAB Webinars (web seminars) by Prof. Satch were organized on 23rd October and 27th November 2020.	
	* *		1	* *		Plan											-							100					Ditto	
Setting a direction of preparation of proposal of amendment Supporting formulation of draft proposal		*	\rightarrow	* *		Actual Plan																		- 600					Ditto	
	* *		+	-		Actival Plan												H						100	10 10 10 40	20 20 20			Ditto	-
Supporting Improvement of the draft WUO management is enhanced in the model sites.	* *	*	* *	* *		Actual										ПП							ш							
analyse the current situation in order to identify problems through survey.	igh #					Plan. Actual														\mathbf{H}									The Project implemented basic information collection from the commoncement of the Project and baseline survey from Jun. to Sep. 2019.	
Setting baseline survey items regarding IWUO	* * *			*		Plan Actual				\Box									HH				\Box						Baseline survey items have been prepared.	
Planning and implementation of baseline survey	* * *			*		Plan Actual	96 46				+				HH	\Box		HH	HH					\blacksquare	\blacksquare				Baseline survey has been planned and implemented.	
Analyse the result of baseline survey and identify the current	* * *			*		Plan.												\Box							\blacksquare				Data analysis of baseline survey has been conducted,	
Preparation of draft improvement plan	* * *			*		Actual								##															Draft improvement plan was prepared and shared with C/Ps. The concept of Improvement Plan/Training Plan was	
elaborate the draft improvement plan of IWUO management on the activity as written 2.1	,					Plan Actual					4 -1																		The concept of improvement Plant raining Plan was shared with TF members through workshops and the 2nd TF meeting in Aug. 2019.	
 Holding workshops on the identified problems and on the draft aplementation plan 	* * *			*	44 2	Plan		100																						
2) Revision of the draft of the improvement plan after workshop	* * *			*		Plan																							 The concept of the draft improvement plan was revised after workshop. 	
(3) Approval of the draft improvement plan at JCC meeting	+ +		*	* *		Plan			100								7								10/20/2				The concept of the draft improvement plan was approved at JCC meeting.	





vities	Japanes 1) 2) 3) 4)	e Expert			Expert		May be but	2019	M Nov Dec Jan	2020	May Jun List I	2020 Aug Seo Oct N	You Dec Jan Fe	sh Mar Anr Man	2021	Seo Oct Nov I	Dec Jan Feb N	tor Av May de	2022	no Carl Nov Da	Jan Fee Mari	2023 or. May Jun. Ju	L Aug Sep Oct	Nov Dec. Jan F	eb Mar Apr. Ma	2023 av Jun Jul Au	Sep Oct No	v. Dec Jan Fe	Achievements	issue & Countermeasures
Sub-Activities To train C/Ps as trainers based on the improvement plan	1) 2) 3) 4)		0) 9) 3	nv/ (11) (12)	13) 14) 15	Plan		304 00	1000	The Paper		,,, m					58 3	1 M 600 E	1 100 2	How L	3 460 0-				111	111		\Box		
	* * *	1	+++	*		Pian Actual					10.00	NO.			1		100	1 100	##					+						
(2) Selection of target participants, training schedule and venue, etc.	* * *	*		*		Plan Actual																							 After (re)organization of IWUO or Scheme Management Committee in each scheme, target participants were identified. 	Periodical site visit by C/Ps and TF is necessary. Site issue of allowence was received (July 2021), site monitoring with Japanese experts and attendance at IWUO general assembly meetings, etc. have been gradually observed.
(3) Implementation of training of C/Ps	* * *	*		*		Plan Actual																							 The physical discussion with C/Ps such as Acting Project Director, Project Marsager and Project Implementer has been resumed in Jan. 2021. Training on IWUO Management Model was given for C/P and TF members in Nov. 2021. 	Since the Issue of allowance was resolved (July 20 TF members are now eager to participate in the training programs.
I. To draft IWUO management improvement manuals	*	*				Plan Actual		H								40 20 20			3-3 400 (A 30 00 00	3 3 3 K			=		H			 The draft manuals were prepared through discussions with C/Ps. 	
(1) Formulating draft of the manuals	* * *	*		*		Plan																							 Manuals for (1) IVUO Strengthering Training, (2) Financial Management Training and (3) Moreloring and Evaluation Training have been draifled and framshated. Training materials for lower level IVUO sitructure including Cooperative has been prepared. Semilitzation or intigation system to the beneficiaries targeting both IVUO and Cooperative is necessary. 	
(2) Discussion with CIPs regarding the draft of the manuals.	* * *	*		*	+	Plan Actual													188										The shared draft manual is being used for training of IWUO, but proper discussion with C/Ps was not yet conducted.	
5. To conduct IWUO training by C/P trainers in the model sites	*	*				Plan				A-000	1.0 6 6		4 9 5 1					50 A ROO 4	PEGIS 6	1 (60)	2 and 3 - 6	A 8 / 8 8	2 8 8 2 5	8 1 3 8 8	11111	8 8 8 8	10 10 10 11	8.8		
(1) Reorganization/formation of IWUO	* * *	*		*		Plan Actual																							 All the MVUOs or Scheme Management Committee (SMC) in the model allow here been (e)-pregnated in the First and Second Phase. Negli schemes was planned to be integrated with the Management of the projects. It was cancelled. Thus, Notice MVUO was organized again in Sep. and CO21. All the MVUOs or SMC with Cooperative have been conducted the General Assembly (GA) meeting for their first time. The Project confirms to support the holding of the GA meeting on an regular best on the Confirmation. Rubes and Internal Regulations of each WVUO was prepared, presented and approved in each GA meeting. 	Involvement of TF members. - COVID-19 has intermittently created obstacles to conduct DISC meeting, organize the GA meeting, approval of Performance Agreement with Cooperativetc. - The process of preparing the Rules and Internal Regulation seems to take a tot of time as it requires r
(2) Planning the training programs with C/Pe	* * *	*		*		Plan .																							 Training material for WUT/WUO semitization on scheme feature and roles and responnsibility is being preprared. 	There is a need to reconsider the general schedure Project due to the impact of COVID-19 and the involvement of TF members. There is a big demand on the training of fish farm and other source of income for IWUO especially in Rwamagana model site.
		-	H	++		Plan		+++	111					11		-	1			+++	100	+++			+++	111		+++	After (re)organization of IWUO or SMC in each model	
(3) Selection of target participants, training schedule and venue	* * *	*		*		Actual									10.0														site, target participants were identified. In all model sites, (1) IWUO Strengthening Training, (2)	
(4) Implementation of training with CRPs	* * *	*		*		Plan																							Financial Management Training has been conducted. Based on the laming and daily behnical guidance by the Project, the organizational activities has been commenced in each model site. > Organization of QA meeting. > Necoding and heaping of the financial statement. > Necoding and heaping of the financial statement. White the statement of the financial statement of the statement	the Project due to the impact of COVID-19 and the is involvement of TH members. In the Neumagana model sile, cooperatives requests as the training and explanation of the irrigation schem be given to IMUO so that they understand what each leaders are responsible for in the future. An addition in the training for Cooperative leadership including unlone vi conducted to harmonize the activity of IMUO.
To improve the draft manuals based on the implementation of vity written as 2.5	*	*				Plan Actual			\blacksquare					1 1 1				and plants	1,799/17	100	0.00012	2001	200 B 4 5	8 5 5 5 5	00 1 0 11 0	3 3 4 00	0 0 3 3	5 6 10 5		
(1) Evaluating the result of the training (Phase 1, 2 and 3)	* * *	*		*		Plan																							 The preparation of financial statement by IWUO shows that the manual of training need to be improved. The training evaluation for IWUO strengthening training and Financial Management Training have been conducted in Jan. to Feb. 2022. 	preparation of the financial statements) indicates the training manual and implementation methods needs
(2) Revision of the draft manuals	* * *	*		*		Plan																								For the revision of the draft manuals for (1) TWL Strengthering Training and (2) Firancial Managom Training, the training should be given again with prinsituction, as the understanding level of both train trainer is still understanding level of both train trainer is still over. Manuals for (3) M&E is not yet completed. Participation of CP and TF is still low.
(3) Discussion with CIPs regarding the improved manuals	* * *	*		*		Actual Plan							100		100			in the second	0 000	3 000 4	1 2001		GOR							
To set up monitoring and evaluation system for IWUO management (1) Setting the monitoring and evaluation system (index)	* * *			*		Plan																							 In Rwamagana District, a technical team, including District Engineer, Sector Agronomist, both WMO and Coop, leaderships, has been set b monitor/solve the issue of water distribution, agricultural activities, etc. 	
(2) Planning the target of M&E	* * *		111	*		Plan Actual			111		HH		111	8 8 8 8			+	0 = 0			F									
	* * *			*		Plan Actual	H						1.6	11111	2 2 3 7	9-19-28-07-18	1111	8 A 600 A	0,000	1 1 1	1997									
To implement monitoring and evaluation on relevant activities (1) implementation of monitoring and evaluation	* * *			*		Plan Actual																							In Reamagara model site, from Nov. to Dec. 2021, issues on water distribution were raised by the cooperatives, and seriously discussed among all stakeholides (Delatic, Rat) union and cooperatives). A technical team was formed all District to monitor the shaulation and to coreafect the responsibility of each stakeholider, in Feb. 2022, the first monitoring meeting we had. DISC meeting was held in Reamagana District in Mar 2022. Extraordinary DISC meeting was held in Reamagana District in A price 2022.	However, the involvement is still low and slow.





Sub-Activities 1) 2) 3) 4	se Expert	7) 8) 9)	Rwandan 10) 11) 12)	Expert 13) 14) 15	Year () Month	Apr. May Jur	2019 n. Jul. Aug. Sep	Dot Nov. Dec	2020 c. Jan. Feb. M	0 far, Apr. May Ju	202 in. Jul. Aug 9	O lep Oct Nov. D	ec. Jan Feb. M	ar Apr. May Ju	2021 n. Jul. Aug Se	ep. Oct. Nov. Dec	c. Jan. Feb. Mar	202 Acr May July 1	Aug Sep Co	No. Dec. det	Feb Mat Apr. 1	2023 May Jun. Jul. A	ug Sep Oct. Nov	v Dec Jan Feb I	far. Apr. May J	2023 lun. Jul. Aug. S	ep Oct. Nov.	2024 Dec. Jan. Feb.	Responsible Organization Japan GoR	Achievements	Issue & Countermeasures
t 3: Operation and maintenance are properly implemented in the mod	del sites.	П	TI	T		Plan				TIT	TIT	TTT	TIT	TIT	TIT	TIT	III	П	ПП	III		TT	TIT	ПТ	ПП	TI	TIT	T	П		The Project implemented basic information collection from the commencement of the Project and baseline	
eration and maintenance (O&M) through baseline survey	* *	*	*			Actual													5 12	168-											survey from Jun. to Sep. 2019.	
(1) Setting baseline survey items regarding O&M	* *	*	*			Plan Actual					$\overline{+}$																				Baseline survey items have been prepared.	
(2) Planning and implementation of baseline survey	* *	*	*			Plan Actual							+++	+++	+++	+++	+++	++	+++					+++				++			Baseline survey has been planned and completed by July.	
(3) Analyze the result of baseline survey and identify the current problems	* *	*	*			Plan Actual		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		\mathbf{H}								H									+H		+		Data analysis was advanced with partial results.	
2 To elaborate the draft improvement plan of O&M in the model sites	1,		1.			Plan		375	10 6 6													1 7 5			\Box		+				 The concept of Improvement Plan/Training Plan was shared with TF members through workshops and the 2nd 	
sed on the activity as written 3.1	117		-			Actual			10 1					+++	111	111		111		+++		+	+	-	+++	+++	+++	++-			TF meeting in Aug. 2019. The project held a workshop in each targeted district	
(1) Holding workshops on the identified problems	* *	*	*	-		Actual			100			+	+	+	+	\Box		\Box		+		+	+		HH	+	+	#	$\overline{}$		including all outputs in August and December. The concept of Improvement Plan was presented in the	
						Plan								111																	workshop in each district and the 2nd TF meeting in	
(2) Formulating the draft of the improvement plan through the workshops	* *	*	*			Actual		100				111								1		9									 Ideas of work items in Phase 1 and training item for draft Improvement Plan are being prepared. 	
						Actual			44											111		\perp		+	\mathbf{H}	\perp		1	\perp		The concept of the draft improvement plan was	
(3) Approval of the draft improvement plan at JCC meeting	* *	*	*			Plan Actual																	111			+	##	#	\pm		approved at JCC meeting. The draft manuals were prepared through discussion	
3. To train C/Ps as trainers based on the improvement plan of O&M	*	* 1	+			Plan Actual				100			1 1 8 1 1	1 5 5 1 1	0.4	8 8 8	1 4 1	1.1	1				##		\Box		\pm	#	\pm		with C/Ps.	
(1) Planning the training programs	*	* 1	+			Plan Actual																				\pm	\pm	#	##		Training programs are being prepared.	
(2) Selection of target participants, training schedule and venue, etc.	*	* 1	+	Z/E		Plan				1000			+ +																		Selection of target participants is being prepared.	
(3) Implementation of training of C/Ps	*	* 1	1	W III		Plan Actual																									Training programs are being implemented.	
4. To draft O&M manuals	*	* 1	* *	KINT E		Plan Actual												100 000 100	-							\pm	111	$\pm \pm$	\pm		 The draft manuals were prepared through discussion with C/Ps. 	
(1) Formulating draft of the manuals	1	* 1	* *			Pian Actual				-							\mathbf{H}		1										$\pm \pm 1$		Ditto	
(2) Discussion with C/Ps regarding the draft of the manuals	1	* 1	* *			Plan Actual					10 mm (ii.)	3 6							986												Ditto	
5. To conduct IWUO training by C/P trainers in the model sites	1	* 1	*	112		Plan		Π	\Box																						Training programs are being implemented.	
(1) Planning the training programs with C/Ps	1	* 1	*			Plan Actual				+	2 8 6	1211	1000					1. 1		100								-			Training programs are being prepared for advance civil training.	
(2) Selection of target participants, training schedule and venue, etc.	1 ,	* 1	*			Pian					0.0	1111	# X 8 B. X	2				8 8		Π	\Box		\blacksquare	Π		\Box			+		Selection of target participants is being prepared.	
(3) Implementation of training with C/Ps	1	* 1	*	- 1		Plan						0.11	3 7 6 3 3	0 2 10 2	3 3 2 3 3	0.8 8 9	9 4 5 76 15	0 0 0 0 0	0 2 0 3 0	10515	18821	8 1 9 8 5	1 1 1 1 1 1	1 1 1 1 1 1	10111	13.11	11111	5513	+		Filed visit by JICA HQ in Ngoma 22 was done.	
6. To improve the draft manuals based on the implementation of	1 1	*	*			Plan					111											H 100							+		The draft manuals are being prepared through discussion with C/Ps.	
tivity written as 3. 5 (1) Evaluating the training by Kirkpatrick method	1 1	*	*			Pian				+	+++							100		100	- I			100							Evaluation is being implemented.	
(2) Revision of the manuals	11,	*	*			Plan																		1 100								
(3) Discussion with C/Ps regarding the improved manuals	11,	+	.			Pian																				+	+		\dashv			
To implement monitoring and evaluation on relevant activities						Plan									100														$\Rightarrow \Rightarrow$			
(1) Setting evaluation index	11:	1				Actual Plan										100												#				
	1113					Actual Plan		-			$\pm \pm \pm$	+																				
(2) Planning monitoring and evaluation (3) Implementation of monitoring and evaluation on relevant		*		-	H	Plan															10	1.17						1.11.1				
activities at 4: Water management is properly implemented in the model sites.	111,	1*11				Actual					ш			111	11-1										ш				111			
To analyze the current situation in order to identify problems of					7	Plan				TIT									9										- 5		The Project implemented basic information collection from the commencement of the Project and baseline	
ater management through baseline survey	*	*	*			Actual				HIST													100	14182							survey from Jun, to Sep. 2019.	
(1) Setting baseline survey items regarding water management	* *	*	*	O TA E		Plan Actual					\blacksquare						-	\mathbf{H}		TH			=	$\overline{\mathbf{H}}$		+	+				Baseline survey items have been prepared.	
(2) Planning and implementation of baseline survey	* *	*	*			Plan Actual	1 10 0				\blacksquare	\blacksquare		+									=		Π		+	-	+H		Baseline survey has been planned and completed by July.	
(3) Analyze the result of baseline survey and identify the current	* *	*	*			Pian Actual						+		+	+													-			Data analysis was advanced with partial results,	
2. To elaborate the draft improvement plan of water management in						Pian							6 9 9						0.33		0.0		333								 The concept of Improvement Plan/Training Plan was shared with TF members through workshops and the 2nd 	
model sites based on the activity as written 4.1	* *	*	*			Actual												2 6 0			086										TF meeting in Aug. 2019.	
(1) Holding workshops on the identified problems	* *	*	*	H H		Plan Actual		100	Name of Street		+	$\overline{+}$														$\pm \pm \pm$	+	+	+		 The project held a workshop in each targeted district including all outputs in August and December. 	
						Plan				VI P					TIT		Π		5 19										8 4 5		 The concept of Improvement Plan was presented in the workshop in each district and the 2nd TF meeting in 	
(2) Formulating the draft of the improvement plan through the workshops	* *	*	*								+++	+	+++	+++	+++	+++	+++		111	+++			-	+++		+++					August. Ideas of work items in Phase 1 and training item for draft	
				4 7 1		Actual									\perp						148					+	4	44			Improvement Plan are being prepared.	
(3) Approval of the draft improvement plan at JCC meeting	* 1	*	*																						\Box						The concept of the draft improvement plan was approved at JCC meeting.	
. To train C/Ps as trainers based on the improvement plan of water negement	,	*	*			Plan					86 MW/S			1 200								100						#			The draft manuals were prepared through discussion with C/Ps.	
(1) Planning the training programs	,	*	*	CON		Pian Actual																									Training programs are being prepared.	
(2) Selection of target participants, training schedule and venue, etc.	,	*	*	ENL		Plan Actual			H	988					0 0 0 0			100													Selection of Demo plot for hillside irrigation was selected	
(3) Implementation of training of C/Ps	,	*	*			Plan					- 0	2 8 4 5	D 4 5 5 5						8 9 9 8 8	10 0 10 10	00334	8 1 1									Training programs are being implemented.	
. To draft water management improvement manuals	,	*	* *			Plan Actual				1 100	No. 200 P			1 0 8				0 0 0			HE					$\pm \Pi$		$\pm F$			The draft manuals were prepared through discussion with C/Ps.	
(1) Formulating draft of the manuals	,	*	* *	6 7		Pian				- Total							0 0 0				H										Instruction manual for AWD was translated	
(2) Discussion with C/Ps regarding the draft of the manuals	,	*	* *			Plan			H		\$ 260 B 7	112			H	H		H	0				+	H		-	1	1			The draft manuals were prepared through discussion with C/Ps.	
i. To conduct IWUO training by C/P trainers in the model sites	* 1	*	*			Plan				1	150																				Training programs are being implemented.	
			+										11111																		 Training programs are being prepared. Practical water distribution plan for Rwamagana is under 	
(1) Planning the training programs with C/Ps						Plan		190				HILL															100				consideration including hillside irrigation ToT to WAMCAB national staff was done by Japanese	
(1) Planning the training programs with C/I-s	*	*	^			Actual				10																					expert about preparation of water distribution plan.	
Landau Landa				1.183		Block Control				111				1111						+++						1		-			Selection of target participants is being prepared.	
Selection of target participants, training schedule and venue, etc.	* 1	*	*							+		1111		1111															2 - 0		Basic Water Management Training was conducted to	
3) Implementation of training with C/Ps	*	*	*			Plan			19 5 12				11111	11111			11111		111111	11111	111111	1111	11000		11111	9111	1111	3311	\perp		O&M Team, Farmers' Repair Team and Water Users	
To improve the draft manuals based on the implementation of	111					Actual			1	1				0.01																	The draft manuals are being prepared through	
vity written as 4.5	+	+	*			Actual						1 1					3 3	8 8									100	100			discussion with C/Ps. • Evaluation is being implemented.	
1) Evaluating the training by Kirkpatrick method	-	1	*			Actual						111			1											111	111					
2) Revision of the manuals	+++	+++	*			Actual		+++							+												+					
(3) Discussion with C/Pa regarding the improved manuals	,	*	*			Actual									+																	
To implement monitoring and evaluation on relevant activities		*		215		Plan																										
(1) Setting evaluation index		*		1 8		Plan																						-				
						Plan					-		\Box		$+\Pi$						++-					+H		-	HH			
(2) Planning monitoring and evaluation (3) Implementation of monitoring and evaluation on relevant	1 1	*				Actual																										





ivities	Japa	nese Expe	rt	1	Rwand	an Expert	- 1	Year	16.35	2019	- La - Lu		2020	w. I I	2020	Laulu- In	- In-	. Inc. I ac.	202		Januar I	a la les	a lucal	2022	2.000	Landa A	The state of the s	[4]	2023		ou lua Ina	- male at		2023			024	Responsible		Achievements	Issue & Countermeasures
Sub-Activities ut 5: Farm management is properly implemented in the model sites.	1) [2) [3) [4) 5) 6	7) [8)	9) 1	3) (11) (1	12) 13) 14	() 15)	Month Ap	May Jun.	ui. Aug. Se	epi Oct Nov	Dec Jen Fr	io. Mart Apr.	May Jun. Jul	L Aug. Sep.	Oct Nov D	sec. Jan. Fee	e. Mar. Apr.	may Jun. J	Aug. Se	p. Cot. Nov.	Dec. Jan. Fee	o mar.	I was I was I w	was pep	Out seed	oct and the	Apr.	seay Jun. J Ju	r Aug Sep.	Cet Nevy De	ic. Jan. [Feb.]	war, Apr. In	ay Jour. Jour.	was leed on	t. Nov. Dec. Ja	- Irea	Japan	GoR		
1.1.To analyse the current situation in order to identify problems of gricultural extension and farm management through baseline survey		*					1000	Plan																																 The Project implamented basic information collection from the commencement of the Project and baseline survey from Jun. to Sep. 2019. In addition, the production record of cooperatives were collected and the necessary survey on farming was conducted. 	
(1) Setting baseline survey items regarding farming and agriculture extension		*		I	П	П		Plan Actual					H	-	H			+		\blacksquare	H		H		H	H	\blacksquare						+	\mathbf{H}			far	he questionnaire survey for armers about nutrition have sen conducted.		Baseline survey items have been prepared.	
(2) Planning and implementation of baseline survey	*	* *	*	*	\Box			Plan Actual					+				-			1			#			H				H		Π	+				Ħ			Baseline survey has been planned and completed by August.	
(3) Analyse the result of baseline survey and identify the current problems	* * *	* * *	* *	*			M	Plan				H						H		H	H	-	F			H	H					H					H			 Data analysis was advanced with partial results. Discussions on the current situation and problems have been conducted with C/P. 	
To extract suitable methodologies from lessons learnt through evant projects		*		11	\Box			Plan Actual		H							8 10 10																				\forall			Information from the relevant projects has been collected.	
(1) Collecting information from relevant projects		*		П	П			Plan Actual			100																										_			Information from relevant projects has been collected.	
2) Organize the collected information and lessons learns		*		11	11	1		Plan Actual															#										#				_			 Analyse and organize the collected information and lessons learnt with C/P Preparation of draft concept of the improvement plan. 	
(3) Extract suitable methodologies	* * *	* * *	* *	*				Plan																			#										H			The draft improvement plan was approved at JCC meeting and was shared at TF meeting.	
To train C/Ps as trainers based on the suitable methodologies		*	*	1	11	11		Plan Actual Plan		#				B B B		1 1	111			1 1	0 0								#				#	+		H				Training programs are being prepared. Ditto	
1) Planning the training programs	+	*	*	+	+	-		Actual Plan	\Box					E 1 0	11					-							+						+		#					Ditto	
2) Selection of target participants, training schedule and venue, etc. 3) Implementation of training of C/Ps	+++	+	+	H	++	+		Actual Plan						8 8 8	8 4									1381	1111	111	1111													Ditto	
To elaborate farm management training texts	111	,	*	#	++	++		Pian Actual																				88		18 6										The draft manuals were prepared through discussion with CIPs.	
1) Formulating draft of the texts	111	,	*	11	11				##								#	77 5			\Box	#						\Box		+		\Box		\Box						Ditto	
2) Discussion with CIPs regarding the draft of the texts				П																																	_			Ditto	
3) Elaborate the texts in cooperation with C/Ps		108	11	11				Actual .		Ħ	#																						#							In order to examine a new implementation structure,	
To conduct training by C/P trainers in the model sites		,	*					Plan		+	+														H												tra	Cooperative management a aining were conducted for co lodel ettes. Also, marketing to orticulture cooperative in Nys	operatives in all four (4) raining was conducted for a	pre-training was conducted in February 2020. The main implementer in the new structure was not C/Ps but WAMCAB experts and field collaborators in the future. C/Ps (TF members) are mainly responsible for M/E.	
Planning the training programs with C/Ps		10		I				Plan Actual																													ma	The draft manuals of naking crop calendar was repared in marketing alning.		Ditto	
2) Selection of target participants, training schedule and venue, etc.				П		-12/1		Pian Actual																																Ditto	
3) Implementation of training With C/Ps								Plan																													ma co	As there was request of orducing 2nd coop sanagement training of operative, it was onducted in Nov 2021 in lyabuyogera.		 Demonstration farms for paddy rice production from December 2020 was conducted. There was flood in Nyabuyogera scheme and Ngiryi scheme and some crops were destroyed including demo farms in Nyabuyogera at the end of Oct 2021. 	Due to the severe restrictions against COV training programs have been postponed.
To implement monitoring and evaluation on relevant activities		,						Plan Actual																																 For above-mentioned pre-training, M/E indicators were prepared by applying Kirkpatrick method. After implementing M/E in the per-training, the results were shared and discussed with C/Ps. 	
1) Setting evaluation index			11	11	11			Plan Actual Plan			-												#																	Ditto	
(2) Planning monitoring and evaluation (3) Implementation of monitoring and evaluation on relevant		+	+	#	++	+		Actual Plan					100																								H			Ditto	
activities	Ш	11	П		11		-		П																	Ш				***								First Phase finished and Se	cond Phase started one	The planned activities in 2020 have had some	An one-year extension of the Second Phase
ation / Phasing								Plan	Fire	t Phase: 1	Survey/Pla	nning Phas		4			and Phase:		- 01.745	More com-	echnical G	idance Pha	350		-		The said	0		Third Ph	ase; Institut	tionalization	and Exter	islon Prepa	ration Phas	•		nonth ahead of the schedule.		difficulties on operation due to the COVID-19 pandemic.	agreed during the 6th JCC meeting.



-3



ctivities	Japanese Expert Rwandan Expert Yea			2019		20			2020				2021					2022					123				2023			2024		Responsible Organization		Achievements	Issue & Countermeasures
Sub-Activities					Oct. Nov. D		Mar. Apr. May	Jun Jul.		l Nov. Dec. J	lan. Feb. M	ar. Apr. May	Jun. Jul. A	Aug. Sep. Oc	1. Nov. Dec.	Jan. Feb. M	ar, Apr May	Joh Jul Au	Sep. Oct.	Nov. Dec. Jan	Feb Mar	lpr. May Jun.		p. Oct. Nov. I	Dec. Jan. Feb	Mar. Apr.		Aug Sep (Oct Nov. D			Japan GoR		Province A dilitativa	ACCO COMMONIMACTION
nitoring Plan	Yea			2019 Aug Sec	Oct Nov I D		20 Mar. Apr. May	Lin Lin L	2020 Aug See Oct	L Nev Dec Ja	lan Feb M	ar Apr. May	2021 Jun Jul A	Aug Seo Oc	I Nov Dec	Jan Feb M	ar Apr. May	Jun Jul Au	an Sep Oct	Nov Dec Jar	[Feb Mar.]		Jul Aug S	el Oct Nov I	Dec Jan Feb	Mar. Apr. I	2023 May Jun Jul	Aug Sec	Oct Nov D	2024 lec Jan Fet		Remarks		Achievements	Issue & Countermeasures
iltoring		4												-			111													1			_		
oint Coordinating Committee	Plan																			A.											organize • In the	e First Phase, 1st and 2nd JCC meeting ted. e Second Phase, 3rd. 4th, 5th and 6th JC gs were organized.		Gisagara district was selected as one of the three model areas at the 1st JCC meeting. Based on the result of the 1st JCC meeting and the subsequent discussion, RGB shall be an observer of JCC.	
	Actu	"																											11						the JCC members.
	Plan												8				25														approve	ed at the 1st JCC.		 Detailed PO for the extended Second Phase and Third Phase was prepared and will be approved at the 7th JCC 	
et-up the Detailed Plan of Operation	Actu	al I																									11/2				Detail 3rd JCC	alled PO for the Second Phase was appr C.	roved at the	e in May 2022.	
sk Force Meeting	Place																														organize	e Second Phase, 5th to 12th TF meeting		In addition to the online study tours of the target infigation schemes, I'F members have requested to participate in the actual study tours. In order to strengthen ownership of each TF member to actively conduct their responsibility, the 10th to 12th TF meetings have been arranged rotationally at each target.	
bmission of Monkoring Sheet	Acto	al																													In the finalized	members confirmed the project outputs as at the JCC meetings. First Phase, Monitoring Sheet #01 and d.	#02 were	district together with alte visit to the model after.	
	Actu	ad																													#05 were	e Second Phase, Monitoring Sheet #03, re finalized. mid-term monitoring was conducted by			
itoring Mission from Japan	Plant Actua		-		+				+			H				+		+	+		H			H					+	+	mission	in from 4th to 13th November 2021, and in mendations were made to the 6th JCC m	several		
nt Monitoring	Plan		-	\Box	100										000			800				100				\Box		-	1	#	• JCC I	members conducted monitoring of the long the Monitoring Sheets.	Project		
t Monitoring	Plan																															228 (3 years after the termination)			
s/Documents	Actu	al	++	++	-	-			-	+	++	111	-	-		+	+	-	++	-	+	-	-	+++	-		-	+++	-	++	-		_		
rgress Report	Piter																														organiza • 2nd P concern	Progress Report was submitted to the co cations at the end of the First Phase. Progress Reports will be submitted to the ned organizations at the end of the exter	0		
	Actu																														Second	d Phase in April 2023.			
roject Completion Report		al		+++	+			H	++		++	+++	+	++	H	+	+	-	++	-	+++	+	H	+++	-	++	-	+++	++	-	-				
lic Relations		1	11		11				11	111	11	111	1		111	11		11	++		111			111				111	_	11	_				
		al		\Box	\Box			\Box	-		-		\Box		\Box			-										\Box	\blacksquare						
	Plan							Ш																											
	Actu	af																																	





Project Monitoring Sheet I (Revision of Project Design Matrix)

Project Title:

Project for Water Management and Capacity Building in Rwanda

Version 3.0

Period of Project: Six years (From 1 April, 2019 to 31 March, 2025)

Target Area:

Rwamagana and Ngoma Districts in Eastern Province and Gisagara District in Southern Province

Project Beneficiaries RAB, Irrigation Water Users Organizations and Districts

Implementing Agenc Rwanda Agriculture and Animal Resources Development Board (RAB)

Dated 27th May 2022

Collaborative Agenc Ministry of Local Government (MINALOC), District Authorities, Rwanda Cooperative Authority (RCA), Rwanda Governance

Narrative Summary Overall Goal	Objectively Verifiable Indicators	Means of Verification	Important Assumption	Achievement	Remarks
he models of scheme nanagement by IWUOs are		Interviewing to district officers in the tarnet areas			
scheme management mproves in the model sites.	All high-priority agreed plans 2 (organizational operation, operation and maintenance, water management, and farm management) to improve the capacity of IWUOs in the model sites are	Capacity Assessment of IWUOs in the model sites Project progress reports (including monitoring and evaluation reports)	There is no drastic changes in officers at district and sector levels, especially for agriculture, irrigation and cooperative subsectors.	- Based on the Improvement Plan / Training Plan, a series of training and activities have been conducted There has been an improvement especially in the activities related to IWUO management (Output 2), which is expected to the improvement of other Outputs and interactions between Outputs.	
	**The Project applies Capacity Assessment Method that classifies capacity into three categories (External Condition, Technical Capacity and Core Capacity) and evaluates multiple question items in each category. Organizational Capacity is defined as the average achievement rate of Technical Capacity and Core Capacity in this method. *2 The agreed plans are selected from the improvement plans and training plans of 'the Capacity Development Program for Irrigation Scheme Management'. Occasional review on the status of IWUOs and necessary training will be conducted even after completion of the Project. See the attachment for the details.				
Outputs , Irrigation Management	IMT implementation manuals are approved at	JCC minutes	Estate II	- Discussions on Policy Advice for IWUO and IMT are progressing.	- In collaboration with MINAGRI and the Advisor, WAMCAB will
	JCC.	JOG Himbles		The functioning of DISCs and the involvement of local authorities at sector level has been strengthened. To ensure the achievements and improve the added value of the Project, Radio Training Program, a series of Webinars and Online Study Tour have been conducted. To examine the survey methodology for the irrigation scheme inventory, the Project conducted a desk review/survey and sample field survey at 50 irrigation schemes.	support to develop the "Imigation Strategic Plan" by managing the sub-contract and directly implementing part of the field surveys, which will promote and contribute to policy discussion and recommendation by WAMCAB.
 IWUO management is enhanced in the model sites. 	IWUO Management improvement manuals are approved at JCC.	JCC minutes		The Project has provided technical guidance for IWUO in each model site through the capacity development of FCs, who are working for IWUOs as managers and temporarily hired by the Project, and the some improvements such as organizational management and financial management and have been observed. Since April 2022, FCs in Cyaruhogo, Ngoma and Ngiryi has started to be employed by IWUO by cost-sharing with WAMCAB. All IWUOs or Coopeartive in model sites secured and rehabilitated their office with the support of WAMCAB.	
3. Operation and maintenance are properly implemented in the model sites.	Operation and maintenance manuals are approved at JCC.	JCC minutes		A series of training and activities have been conducted according to the Improvement Plan / Training Plan. The Project has provided technical assistance to IWUO in the model sites for the periodical inspections of facilities, maintenance and repair by community work, etc. It is observed that some facility repairs are made in each model site using IWUO's budget, workforce and skill learned in the training by the Project, showing that ownership is gradually fostered. In Nyabuyogera model site, a night reservoir has been constructed by participatory approach through community works. The Project provided technical guidance, necessary equipment and some minimum labour costs.	
Water management is properly implemented in the model sites.	Water management manuals are approved at JCC.	JCC minutes		A series of training and activities have been conducted according to the Improvement Plan / Training Plan. In collaboration with Output 5, the Project has provided technical assistance in the four demonstration farms (rice cultivation in Cylmpima, Ngiryi schemes and horticulture cultivation in Ngoma 22, Nyabuyogera schemes).	
5. Farm management is properly implemented in the model sites.	The extracted farm management methodologies are accepted in the model sites.	Project progress report		- A series of training and activities have been conducted according to the Improvement Plan / Training Plan The Project has provided technical assistance in the 4 demonstration tarms (rice cultivation in Cylmpima, Ngiryi schemes and horticulture cultivation in Ngoma 22, Nyabuyogera schemes) As reported in the M/S #4, to follow-up on the "Sector Policy Loan for the Nutrition Improvement through Agriculture Transformation", the Project has supported RAB to develop nutrition-sensitive cropping calendars targeting Ngoma and Nyabuyogera schemes. In addition to this, the Project conducted interview surveys to collect basic information about nutrition in both schemes.	





Activities	(1) Input by Japanese side	outs (2) Input by Rwandan side	Important Assumption
1-1. To identify problems of the current implementation of IMT procedures through baseline survey	Dispatch of Experts	Assignment of C/Ps	
	(1) Regular Team Experts	(1) Project Director	
1-2. To identify problems of division of roles for the promotion of IMT and supports of IWUOs through baseline survey	1) Chief Advisor / Irrigation	(2) Deputy Project Director	
1-3. To identify problems of IWUO supporting systems through baseline survey	Policy 2) Deputy Chief Advisor /	(3) Project Manager (4) Chief Implementer	Pre-Conditions Pre-Conditions
1-4. To select model sites upon the approval at JCC	Irrigation Policy	(5) Core C/Ps to work with the	Basic agreement is made between MINAGRI and MINALOC for the expected collaboration in the project.
1-5. To implement the activities addressing to the above-noted problems	WUO Management O&M / Water Management	Japanese Expert Team at central, station, and district levels	
1-6. To monitor the progress	5) O&M / Water Management /	O Brainet Office (DAD in Vice)	
1-7. To draft IMT implementation manuals for IMT procedures, support system (including division of	Capacity Development 6) Farm Management	2. Project Office (RAB in Kigali, and Station Offices in the two	
roles), support contents and monitoring 1-8. To help C/Ps to draft proposal of amendment of the IWUO Policy and Strategy, and the	Coordination/Training Nutrition-sensitive Farm	provinces)	< ssues and countermeasures>
Ministerial Order	Management	3. Local Operation / Activity Cost	
2-1. To analyse the current situation in order to identify problems (e.g. IWUO registration, by-laws and regulations, IMTA conditions, collaboration with cooperatives, water rights and etc.) through	munugorion	(arrangement based on R/D)	 As JICA has suspended all overseas business trip of JICA experts engaged in JICA's technical cooperation projects affected by the COVID-19 outbreak, the JICA Headquarters and Chief Advisor agreed on that all Japanese
2-2. To elaborate the draft improvement plan of IWUO management (e.g. leadership, accounting,	(2) Short-term Experts	· Electricity / Water fees in offices	assignments shall be conducted remotely from Japan. However, following the lifting of travel restrictions to Rwanda
general assembly & executive committees, collaboration with cooperatives, and etc.) based on the	Support for IMT Promotion	Internet environment	by JICA on 24th November 2021, the JICA HQ and Chief Advisor agreed to resume the dispatch of Japanese
2-3. To train C/Ps as trainers based on the improvement plan		Transportation costs of C/Ps	experts from the middle of January 2021.
2.4. To draft IWUO management improvement manuals	Counterpart Training Japan	Cost for Communication	•Under these circumstances, to ensure the achievements and improve the added value of the Project, additional
2-5. To conduct IWUO training by CIP trainers in the model sites	Third country		work such as i) radio broadcasting, ii) webinar and iii) online study tour have been implemented.
2-6. To improve the draft manuals based on the Implementation of activity written as 2-5	KCCP programs are currently postponed due to COVID-19.		• Regarding the issue of budget for local operation and activity cost affected by COVID-19, JICA Rwanda office and
2-7. To set up monitoring and evaluation system for IWUO management	3. Provision of Equipment		RAB agreed that JICA shall temporarily cover the cost from July 2021 until March 2022. In addition, considering the
2-8. To implement monitoring and evaluation on relevant activities	Equipment needed for project		prolonged impact by COVID-19, they discussed and agreed again to extend this temporary measures up until June 2023.
3-1. To analyse the current situation in order to identify problems of operation and maintenance	-implementation		•The new organizational structure of RAB has been announced by the Prime Minister's Order No. 096/03 on 14th
(O&M) through baseline survey 3-2. To elaborate the draft improvement plan of O&M in the model sites based on the activity as	4. Local Operation / Activity Cost		August 2020. However, the structure and list of SIPU (Single Implementation Project Unit), to which the Core C/Ps
written 3-1	(temporary arrangement)		belong, have not been finalized.
3-3. To train C/Ps as trainers based on the improvement plan of O&M	Transportation costs of C/Ps Allowances for C/Ps and		
3-4. To draft O & M manuals	farmers		 There has been a slight delay in the overall progress particularly with regard to cross-cutting and advanced technologies and activities requiring technical assistance from Japanese experts, although as the situation of
3-5. To conduct IWUO training by C/P trainers in the model sites	Cost for Communication		COVID-19 calms down, the activities are gradually progressing. Also, due to the difficulties and lack of involvement
3-6. To improve the draft manuals based on the implementation of activity written as 3-5			of TF members especially for M&E, the preparations and discussions for the third phase, Institutionalization and Extension Preparation Phase, have not been progressed. In view of the combined impact of the COVID-19 over a
3-7. To implement monitoring and evaluation on relevant activities			long period of time and the current progress, an extension of the second phase, Technical Guidance Phase, is proposed. In addition, the method of implementation and the schedule of activities should be considered flexibly.
4-1. To analyse the current situation in order to identify problems of water management through			proposed, in addition, the method of implementation and the schedule of activities should be considered nexitiy.
baseline survey 4-2. To elaborate the draft improvement plan of water management in the model sites based on the	9		
activity as written 4-1 4-3. To train C/Ps as trainers based on the Improvement plan of water management			
4-4. To draft water management improvement manuals			
4-5. To conduct IWUO training by C/P trainers in the model sites			
4-6. To improve the draft manuals based on the implementation of activity written as 4-5			
4-7. To implement monitoring and evaluation on relevant activities			-
5-1. To analyse the current situation in order to identify problems of agricultural extension and farm management through baseline survey 5-2. To extract suitable methodologies from lessons learnt through relevant projects			
5-3. To train C/Ps as trainers based on the suitable methodologies			
5-4. To elaborate farm management training texts			
5-5. To conduct training by C/P trainers in the model sites			
5-6. To implement monitoring and evaluation on relevant activities			





Progress Summary of Improvement Plan / Training Plan (Agreed Plans)

*Red-highlighted parts indicate the updated activities of the month.

As of 30th April 2022

S/N	Agreed Plans	Output	Prior	ity for m	odel si	tes	Contents of activity / training	Details		Pro	gress		Target
			N22	Rw	Nr	Nb		[Chan 1]	N22	Rw	Nr	Nb	TWILLO was a wash a was
2-1	0	2	М	М	М	М	Understanding the scheme	[Step 1] · Undertake preliminary survey and define the scheme service area	Phase 1: completed	Phase 1: completed	Apr 2020: completed	Apr 2020: completed *supplemental survey is ongoing	IWUO members
2-2	0	2	М	М	М	М	Database organization	[Step 2]Database preparation and organizing the management structure	Phase 1: preparation of basic scheme information 15-26 Jun 2020: completed	Phase 1: completed	Apr 2020: preparation of basic scheme information	Apr 2020: Completed *supplemental survey is ongoing	IWUO members
2-3	0	2	Н	Н	Н		Reorganization of IWUO and election of leaders	[Step 2] • Database preparation and organizing the management structure	Phase 1: preparation of organization structure 15 Jun 2020: completed	2-16 Jul 2020: completed	Aug 2020: Completed (reorganization of Ngiryi and Nyiramageni was separately done) Nov 2020: Overall IWUO was established by combining two schemes (Ngiryi and Nyiramageni) Jul 2021: Merging with two schemes into one IWUO was cancelled for the demarcation with another project in Nyiramageni. Aug 2021: re-election of IWUO members were supported.		IWUO members
2-4	0	2	М	M	М	М	Explanation of scheme layout to IWUO	[Step 3] • Conduct initial training and explain the scheme layout and how IWUO is	19-30 Jun 2020: completed	2-16 Jul 2020: completed			IWUO members
2-5	0	2	Н	Н	Н	Н	Establishment of Internal Regulation	[Step 4] • Prepare the Rules and Internal Regulations (by-law) • Prepare role and responsibility of stakeholders [Step 5] • Hold general meeting for approval of the Rules and Internal Regulations and Action Plan • Prepare future Action Plan	19-15 Jun 2020: preparation of draft internal regulations Aug-Sep 2020: discussion with IWUO members, and finalization Dec 2020 - Jan 2021: preparation of draft internal regulations for hillside 10 Aug 2020: trial leadership training Sep 2021: discussion with IWUO leadership for organizing GA meeting 29 Oct: General Assembly was held. Action Plan was presented and the amendment of Rules and Internal Regulations was approved.	finalization 11 Aug 2020: trial leadership training Oct 2020: preparation of the Performance Contract Agreement, the first IWUO and Coop. meeting 12 Nov 2020: General Assembly meeting to approve the internal regulations 31 Dec 2020: Performance Contract Agreement was	merging two IWUOs (Ngiryi and Nyiramageni) Jul 2020: Draft internal regulation is being prepared focusing only Ngiryi scheme. Sep 2021: discussion with IWUO leadership for organizing GA meeting Mar 2022: GA meeting preparation is undergoing.	but postponed due to COVID-19.	IWUO members
2-6	0	2	Н	Н	H	Н	Strengthening of IWUO	[Step 6] Capacity development on Leadership Promotion of participation Transparency and accountability Conflict management Preparation of Action Plan	Oct 2020: discussed on the IWUO's office with District and World Bank, and agreed to secure an office by Nov Nov 2020: An office was secured at Ngoma 22 inside a storage built by WB project8-12 Mar 2021: IWUO strengthening training Hillside water users list is prepared for Maize Kotungo cooperative is deducting water fee from Chia seed farmers 2 Nov 2021: The first General Assembly was held, and approval of Action Plan, Rules and Internal Regulations, and replacement of Vice President was conducted. Jan 2022: Preparation of training on sensitization of scheme features and roles and responsibility of WUT including cooperative leaderships for Ngoma Feb 2022: A solar power was set at the office of IWUO and Kotungu cooperative. A simple training on the Excel was given to a Kotungo accountant to identify members who pays and not pay for water fee. Mar 2022: The training material for WUT/IWUO was prepared. 28 Apr 2022: IWUO GA meeting was organized.	conducted. June 2021: DISC meeting was conducted and IWUO present its activity, financial report and action plan of IWUO. / Preparation of special training to WUT (Sensitization on Responsibility of WUT leadership), it is being translated into Kinyarwanda. 29 Oct: General Assembly was held. Executive Committee presented the IWUO activities and Audit Committee presented the auditing of IWUO, etc. Nov 2021: Training for lower level IWUO on responsibility of WUT leaders were given. The lower level coperative were leaders also included in the training. Dec 2021: Evaluation of water distribition problem was conducted, and the problem was discussed among all stakeholders at District, RAB, Union and Coop. Feb 2022: A solar panel was installed at the IWUO office to help smooth the activity. / IWUO executive committee decided to make annoucemnet to hire its own FC (future	was continued. IWUO executive committee held a meeting to aprove the covering the labor cost for th rehabilitation of the office. 23 Mar 2022: IWUO GA meeting was organized.	among zonal leaders of the scheme. Dec 2021: Rehabilitation of office provided by Distriction is completed. The process of electrificsation is being	

	Agreed		Priority for model si	ites			Pro	gress		
S/N	Plans	Output	,	Contents of activity / training	Details					Target
2-7	0	2	H H H	H Financial Management	[Step 6] • Outline of financial management • Establishment of the O&M fund • Establishment of the O&M fee management mechanism	21-25 Sep 2020: financial management training Sep 2020: the first IWUO and Coop. meeting about the roles and responsibility of each entity and the Performance Contract Agreement to be signed between them Oct 2020: preparation of draft book-keeping format Apr-May 2021: The first financial statement is being prepared May 2021: Financial statement was prepared. A system of expense order is created to create a controlling mechanism of income and create a link with DISC (it has never been implemented) Jul 2021: Financial statement from Jan up to Jul 2021 is being prepared. Feb 2021: Executive committee meeting has decided to the cost sharing of the FC begining of April. They also want to hire two support staff that help the FC in collecting data for water fee collection since the scheme is big and can't be covered by one persion alone. Discussion with local leaders is being made to collaborate in collecting water fee from hillside farmers who failed to pay after harvest and sell there product by themselves Mar 2022: Water fee collection of 2022 Season B for marshland was done. Water fee collection in hillside is undergoing.	Book keeping material and format is prepared and submitted to be used by IWUO. Apr-May 2021: The first financial statement is being prepared. Jul 2021: Financial statement from Jan 2021 up to April 2021 was prepared and it will continue to be updated. The scheme is in good condition. Oct 2021: Auditing of IWUO was done. Feb 2022: Collection of water fee from hillside farmers is designed in such a way, the responsibility shall be given to volenteer farmers who shall recieve 10% of what is collected from the farmers. The trial shall be done starting from March 2022. Apr 2022: IWUO has started to hire its own manager (FC) by cost-sharing with WAMCAB (50% of each) through official recruitment procedures in collaboration with District	Dec 2020: financial management training Jul 2021: Financial statement from Jan up to Jul 2021 is being prepared. Sep 2021: Short training given to FC on how to prepare financial statement using Excel. Oct 2021: Auditing of IWUO was done. Feb 2022: A meeting was conducted with the executive committee to discuss on the cost sharing of FC which was agreed during the GA of Nov 2021. Due to unexpected flood in the production of this season, they failed to pay from Jan 2022. Now the committee has agreed to start the cost sharing of FC from April 2022. WAMCAB helps IWUO to speed-up the aproval of expense order by Sector/District so that the rehabilitation of office and other irrigation facilities can start asap before the end of preparation for the next season.	Feb 2021: Financial management training Jul 2021: Financial statement from Jan up to Jul 2021 is being prepared. Sep 2021: Short training given to FC on how to prepare financial statement using Excel. Oct 2021: Auditing of Coopeartive was done. Feb 2022: A meeting was done with the executive member to discuss about the failure to pay for FC half of his salary as agreed during GA meeting. With simple estimation on water fee collected and expected expenses in a year, we have found that the financial capacity of the scheme is unable to cover salary of any supporting staff. The main reason is that the water fee rate agreed by GA is so small (70RwF per are, one third of the minimum paid	Cooperative
2-8	0	2	M M M	Monitoring and Evaluation Method by DISC & RAB	[Step 6] Role and function of M&E Establishment of M&E system Implementation of M&E	Feb 2022: Although M&E system is not yet established, for the first time local leaders at village and cell level have started to involve in the activity of IWUO through helping in the collection of water fees.	Jan 2022: In Rwamagana, a technical team was formed to monitor the activity of the IWUO and Cooperatives and to solve the issue of misunderstanding between the two. The team includes Sector Agronomist, District officials and leaders of the IWUO and Cooperatives. Feb 2022: The first technical team meeting was held and the activity progress agreed in Jan 2022 by each stakeholder were discussed. Very encouraging involvement from the District and other stakeholdres (Sector, Cooperative, etc.) can be seen.	monitoring and evaluation.	28 Sep: Gisgara DISC meeting was held as part of monitoring and evaluation.	
2-9	0	2	Н Н Н	Commencement of the scheme activity H	[Step 7] Commencement of scheme • Prepare and provide O&M manual • Start the scheme operation and management activities • Establish the system of collection water fee and member fee • Prepare financial management system • Establish performance agreement between IWUO and cooperative or other water users	Jan 2021: Office arrangement is being strengthening. Scheme operation for Season B is being discussed. Office of IWUO is secured and arranged. Scheme operation and the activity of IWUO have started. Feb 2021: For the first time since the establishment of IWUO, water fees from hillside farmers that are member of Kotungo cooperative were collected. A differnet method is being designed to collect the remaining water fees from non-member farmers. Feb 2022: The planned DISC meeting was postponed twice. There is a need to discuss the importance of DISC meeting with the District official in collaboration with C/P	hillside irrigator is conducted. Scheme operation has already started, IWUO members are increasing by day. Other water users are registering and paying water fee according to the internal rules and regulations. Feb 2022: DISC meeting was held. A proposal to create coordinating committee is proposed by the	the scheme Sand extraction as a source of additional income has given to a private company	The organized Scheme Management Committee under the cooperative has began its activity related to scheme management. Apr-Jul 2021: Community mobilization for night storage has been conducted.	
2-10	0	2	Н Н Н	Support in the registration of the organization and IMTA agreement	[Step 8] • Apply for registration of IWUO and water permit • Registration and performance contract agreement [Step 9] • IMTA and M&E system • Prepare a follow up mechanism • IMTA with MINAGRI • Routine Training	Jan 2021: Hillside database is being prepared, and performance agreement both with rice coop and horticulture coop for 2020-21B was signed. June 2021: Performance Agreement both with rice coop and horticulture coop for 2021A was signed. Jul 2021: Collaboration letter from the District is being prepared as registration process. Sep 2021: Collaboration letter from the District is collected and sent to RAB for Registration Process.	June 2021: Performance Agreement with 4 coops for 2021A was signed. Jul 2021: Performance agreement with private hillside farmers has been signed. Jul 2021: Registration process has started, application is already made to RAB. Jul 2021: Document for the application of water permit is being processed. Mar 2022: All document for legal status is prepared and application is made at RGB.	June 2021: Performance Agreement with rice coop for 2021A is being prepared. Sep 2021: Support for the Registration of IWUO is requested by the president and WAMCAB start to follow the status of the application at RDB.		
2-11		2	M	Construction of secondary canal in Rwamagana	Support for the construction of secondary canal in Rwamagana		Dec 2020: construction of the secondary canal by community work is supported. Jan 2021: Follow-up on the correction of the slope of secondary canal made by the community was started. Part of the incomplete secondary canal (Due to the presence of old masonry structure that need to be removed) was conducted. The completion of the secondary canal shall be done by community work soon) Oct 2021: Completion and adjustment of secondary canal at unfinished location			IWUO members
2-12		2	M M M	Make TF understand How the lower level IWUO is formed	r	4 Nov. 2021: Training on IWUO management model was conducted for TF members.	Same as on the left	Same as on the left	Same as on the left	
2-13	0	2	M M M	To improve the draft manuals	Discussion and updating the manuals	Draft Manuals (IWUO strengthening, financial	Same as on the left	Same as on the left	Same as on the left	
3&4-1	0	3,4	н н н	Establishment of implementation structure for O&M and water management at the scheme level	•To organize the O&M Team and Farmers' Repair Team •To organize the Water Users Team	management and M&E) are prepared. 27-31 Jul 2020: basic civil work training, 10-12 Aug 2020: follow-up training	14-17, 21-24 Sep 2020: basic civil work training	14-18 Sep 2020: basic civil work training		Farmer's Repair Team, O&M Team

Δ	Agreed Plans		Prio	rity for mo	del sites		Details	Progress				
5/N		Output		•		Contents of activity / training				gr c33		Target
3&4-2	0	3,4	H	Rw N	r Nb		Sharing the basics and current issues of irrigation facility utilization PIM (Participatory Irrigation Management) training To promote activities of water management and O&M at block level Study tour to good practice schemes	N22 31 Aug-2 Sep 2020: water management training & hydrant repair training (3-6, 4-7) 25-26 April 2022: Sensitization workshop to lower level of local government on Operation and maintenance of irrigation facilities and its security in Ngoma 22 hillside	for IWUO leaders was conducted. 31 May 2021: water management training for WUT leaders has been started.	Nr 3	Nb	Farmer's Repair Team, O&M Team
3-3	0	3,4	М	M	1 M	O&M Training 1 (lecture)	Basic training on O&M to foster the ownership	27-31 Jul 2020: basic civil work training, 10-12 Aug follow-up training	: 14-17, 21-24 Sep 2020: basic civil work training	14-18 Sep 2020: basic civil work training Aug 2021: 3 turnouts were repaired by IWUO with support from WAMCAB.	20-24 Oct 2020: basic civil work training	Farmer's Repair Team, O&M Team
3-4	0	3,4	М	М	1 M	Survey / inspection and analysis of current facility condition	 To prepare irrigation and drainage system map in the scheme To prepare facility location map Facility survey to grasp the current condition 	Mar 2021: Draft map has been prepared Apr 2021: Facility Survey for pipeline was started in Ngoma22 Nov. 2021: Facility inspection for repair work was conducted	Mar 2021: Draft map has been prepared	Nov 2021: Facility map in Ngiryi was prepared 11-20 Nov 2020: Trial of Facility check was conducted by WAMACAB engineer 15-16 Mar 2021: Facility check was conducted in Nyiramageni.	Mar 2021: Draft map has been prepared Oct 2021: Function of weir was tested. Nov. 2021: Inspection of flood damage was conducted	
3-5	0	3,4	М	M	1 M	O&M Training 2 (lecture)	 To prepare the annual O&M plan of IWUO To evaluate and consider the appropriate water fee setting 	Feb. 2022: training for formulation of O&M plan was conducted to TF members.	Feb. 2022: training for formulation of O&M plan was conducted to TF members.	Feb. 2022: training for formulation of O&M plan wa conducted to TF members.	Feb. 2022: training for formulation of O&M plan w conducted to TF members.	as
3-6	0	3,4	М	M	1 M	O&M Training 3 (field practice) Basic / Advanced level	Basic civil work (masonry, plain concrete) Advanced civil work (Reinforced concrete) Participatory simple maintenance and cleaning activity Countermeasures against soil erosion Maintenance of hydrants/pipe/valve Demonstration on typical facility maintenance Farm road repair	27-31 Jul 2020: basic civil work training, 10-12 Aug 2020: follow-up training 31 Aug-2 Sep 2020: water management training & hydrant repair training (Common 2, 4-7) 28 Sep-2 Oct 2020: farm road repair training in collaboration with Core Rwanda Sep 2021: Water management training & hydrant repair training Nov. 2021: Countermeasure for for Slope collapse was conducted. 27, 29 Apr 2022:Training on installation of valves for secondary canal in Ngoma 22 hillside	14-17, 21-24 Sep 2020: basic civil work training 22-27 Feb 2021: Advanced civil work training 1-12 Mar 2021: Road repair training including prevention of erosion 19-23 Jul 2021: Canal repair work was conducted. 20 Apr 2022: Establishment of road drainage by community work in Cyimpima scheme.	14-18 Sep 2020: basic civil work training 27-30 Oct 2020: farm road repair training 11 Dec 2020: Field visit with Musha sector agronomist 23 Dec 2020: Field practice for maintaining secondary canal Oct 2021: Canal cleaning was conducted	20-24 Oct 2020: basic civil work training 14 Dec 2020: Field visit to confirm the situation 24 Dec 2020: Field practice for maintaining main canal Sep 2021: farm road repair training Nov. 2021: Rehabilitation of irrigation canal was conducted Jan. 2022: Advanced civil work training was conducted for repair work of canal crossing drain.	Farmer's Repair Team, O&M Team
4-7	0	3,4	Н	M	1 H	Water management training 1 (lecture)	Lectures on efficient water use and irrigation methods mainly for hillside irrigation	31 Aug-2 Sep 2020: water management training & hydrant repair training (Common 2, 3-6) Apr 2021: Three tensiometers were installed at demo plot in Ngoma 22.				
4-8	0	3,4	М	M	1 M	Water management training 2 (lecture / field practice)	 Lectures on efficient water use and irrigation methods Monitoring of the amount of available water resources and water use Water management at the time of drought Measurement of discharge and water level at dam reservoir Rainfall observation by using simple rain gauge Measurement of water consumption rate in paddy field 	Jan 2021: Simple rain gauge was procured and it wi be installed for each dams soon.	II 17-19, 24-26 May: water management training for IWUO leaders (O&M Team and Farmers' repair team) was conducted. 31 May-3 Jun: Water Management training for WUT leaders has been started. Jan 2021: Simple rain gauge was procured and it wil be installed for each dams soon. Apr 2021: Measurement trial was started at demo plot.	Apr 2021 Measurement trial was started at demo plot	Feb 2020: Measurement of rainfall and spring discharge has been started.	
4-9	0	3,4	Н	Н	Н	Water management training 3 (lecture / field practice)	On-farm water management and water use mainly for hillside irrigation •Appropriate irrigation using soil moisture monitoring data •Trial of treadle pump •Trial installation of shallow well for dry season (•Trial of foot pump) (•To install water storage)	Jan 2021: Four tensiometers were procured. Apr 2021: Three tensiometers were installed and the measurement of soil moisture has been started. Oct 2021: Explanation of demo plot was done to O&M team and FRT	9 Nov-4 Dec 2020: Secondary canal creation 29-30 Dec 2021: Explanation and pratctice for on- farm water managemnet	11-20 Dec 2020: Field practice for installing secondary canal 30 Dec 2021: Explanation and pratctice for on-farm water managemnet		
4-10	0	3,4	М	M	1 M	Field practice of on-farm level water-saving irrigation	On-farm water management and water use mainly for marshland irrigation ·Land levelling of the plot ·Maintenance of levee at the leakage point and improvement of ridge preparation method ·Installation of on-farm drainage (improvement of drainage condition) ·Trial of water saving method for paddy rice (AWD: Alternate Wetting and Drying) ·Adjustment of irrigation according to the growing stage ·To promote the installation of secondary/tertiary canal		14-16 Dec: Preparation for hand leveler and AWD tube Oct 2021: Training for water saving irrigation	14-16 Dec: Preparation for hand leveler and AWD tube Feb: Monitoring of the progress Oct 2021: Training for water saving irrigation		
4-11	0	3,4	н	Н	н	Water management training 4 (lecture / field practice)	 To prepare annual water distribution plan To evaluate and consider the appropriate water fee setting 	Feb. 2022: training for formulation of water distribution plan was conducted to TF members.	Jan. 2022: training for formulation of water distribution plan was conducted. Feb. 2022: training for formulation of water distribution plan was conducted to TF members.	Feb. 2022: training for formulation of water distribution plan was conducted to TF members.	Feb. 2022: training for formulation of water distribution plan was conducted to TF members.	
3&4-12	0	3,4	Н	Н	н		Monitoring and feedback on the implementation of the O&M plan (3-5) and water distribution plan (4-11)					
3-a		3,4	yes	yes y	es yes	Others	Support for the development/ rehabilitation plan of irrigation scheme, incorporating an O&M perspective from the planning stage					
3-b		3,4	Н	Н	н	Daily technical guidance on O&M 1			7-24 Dec 2020: Handover stop log Apr 2021: Trial for improving stop log was practiced.			
3-c		3.4	н	н	4 H	Daily technical guidance on O&M 2	Practice of O&M along the plan (3-5)					
3-d		3,4	Yes	11	1 11	Repair/rehabilitation work	Dredging of Chinese old dam at Mwanbu and utilization of borrow materials					Farmer's Repair Team, O&M Team
3-e		3,4		Н		Construction	Intake structure at Cyaruhogo scheme Night Reservoir at Nyabuyogera scheme				Apr-Jul 2021: complementary lining work is on going. Aug-Sep 2021: supplemental correction work is ongoing.	JOSIN TEATH
4-f		3,4			1 M	Daily technical guidance on water management 1	Installation and operation of intake structure				3353.	
4-g		3,4	Н	Н	Н	-	Practice of water distribution along the plan (4-11)					
5-1	0	5	Н	Н	Н		To establish the implementation structure for farm management at scheme leve	rel 18-21, 24-29 Aug 2020: Reorganization of hillside cooperative & preparation of internal regulation	Well organized	Well organized	Sep 2020: Reorganization of cooperative & preparation of internal regulation	Cooperative

Agrood		D.:	Priority for model sites				Progress					
S/N	Agreed Plans	Output				Contents of activity / training	Details		Pro	gress		Target
5-2		5	N22	Rw Nr		Soil improvement	Conducting soil analysis in the schemes Compost training	N22 Jul-Aug 2020: compost training & follow-up Apr 2021: compost training	Rw Jul-Aug 2020: compost training & follow-up	Nr Jul-Aug 2020: compost training & follow-up	Apr 2021: compost training & follow-up	Cooperative
5-3	0	5	Н	н н	Н	Profitability analysis	To analyze the profitability of each crop based on production record and BLS	Sep 2020: Preparation of documents	Sep 2020: Preparation of documents	Sep 2020: Preparation of documents	Sep 2020: Preparation of documents	
5-4		5	Н	M M	Н	Relationship with IWUO	Consideration of performance contract with IWUO	3 Jan 2022: Performance Contract Agreement was signed.	31 Dec 2020: Performance Contract Agreement was signed.			
5-5	0	5	Н	н н		Coop management training	Training on strengthening Coop management, gender main streaming, and accounting	17-18 Nov 2020: coop management and gender mainstreaming training 14-15 Feb 2022: coop management and gender mainstreaming training (with partner, invited woman	9-12 Nov 2020: coop management and gender mainstreaming training 13-17 Dec 2021: coop management and gender	5-6 Nov 2020: coop management and gender mainstreaming training 23-24 Feb 2022: coop management and gender mainstreaming training (with partner, invited woman	22-23 Oct 2020: coop management and gender mainstreaming training 9-10 Aug 2021: Workshop on rules and internal regulations	Cooperative
						Coop management training	Study tour to good practice cooperatives	trainer) 31 Jul 2020: study tour to Nasho irrigation scheme		trainer)	23-24 Nov 2021: coop management and gender mainstreaming training 30-31 Aug 2021: study tour to Ngoma22 irrigation	n IWUO members
5-6		5	М	M M		coop management training	Study tour to good practice cooperatives	in Kirehe District to learn about contract farming			scheme to learn about contract farming in cooperation with C/Ps	Cooperative
5-7	0	5	Н	L L	Н	Marketing training	→Training on marketing and market-oriented agriculture →Training on market research and analysis	9-10 Dec 2020: Marketing training	7 May 2021: rice variety workshop (visit to Indatwa Kayonza coop)	demo farm)	25-26 Nov 2020: Marketing training	
5-8	0	5	Η	н	Н	Marketing training	→Selection of crop/variety based on the analysis of profitability, making crop calendar	Jan 2021: Done with cooperative 22 Sep 2021: Making crop calendar	7 May 2021: Selection of the varieties	2 Dec 2020: Selection of the varieties	Jan 2021: Done with cooperative 24 Sep 2021: Making crop calendar	
5-9		5	٦	L L	1	Rice cultivation and Horticulture training	Management of demonstration plots in the schemes		From Dec 2020	From Dec 2020		
5-10	0	5		ММ		Rice Cultivation training 1 (FFS)	→1: Field training on nursery sowing practice and soil improvement		11, 14-16 Dec 2020: sowing and nursery preparation 7-8 Jul 2021: sowing and nursery preparation 11 Jan 2022: Nursery preparation and sowing	29-31 Dec 2020: sowing and nursery preparation 29-30 Jun 2021: sowing and nursery preparation (second time)		
5-11	0	5		M M		Rice Cultivation training 2 (FFS)	→2: Field training on transplanting		19-22 Jan 2021: Land leveling and transplanting training (only for land owner due to covid-19 prevention) 4-5 Aug 2021: training on transplanting 4 Feb 2022: training on land leveling and	4-8 Jan 2021: Land leveling and transplanting training (only for land owner due to covid-19 prevention) 26-30 Jul 2021: Land leveling and transplanting		
5-12	0	5		M M		Rice Cultivation training 3 (FFS)	→3: Field training on fertilization and pest control	30 Nov 2021 : Disease and pest control	transplanting 18-19 Feb 2021: Field training on fertilization and pest control 24 Mar 2021: 2nd Top dressing 8-9 Sep 2021: Training on top dressing and weeding 22-Oct 2021: Training on 2nd topdressing	2-Feb 2021: Field training on fertilization and pest control 18-19 Aug 2021: Training on top dressing and weeding		
5-13	0	5		M M		Rice Cultivation training 4 (FFS)	→4: Field training on harvesting and post-harvesting		25-26 May 2021: Harvesting	5 May 2021: Harvesting 13 Dec 2021: Harvesting		
5-14	0	5	М		M	Horticulture training 1 (FFS)	→1: Field training on seed sowing and seedling preparation	10 Feb 2021: sowing and nursery preparation 28 Sep 2021: sowing maize and chia seed and nursery of tomato, cabbage and beetroot			4 Feb 2021: sowing and nursery preparation 29-30 Sep 2021: sowing preparation of maize and chia seed 22 Mar 2022: sowing soybean and applying rhizobium	i
5-15	0	5	М		М	Horticulture training 2 (FFS)	→2: Field training on transplanting and land preparation	6 Apr 2021: transplanting and land preparation 3 Nov 2021: Transplanting and top dressing			1 Apr 2021: transplanting/sowing and land preparation 23-24 Jun 2021: Planting for irish potato	
5-16	0	5	М		М	Horticulture training 3 (FFS)	→Field training on fertilization, rice husk charcoal and compost making	6 May 2021: weeding and fertilization 13 May 2021: compost making.			14-23 Apr 2021: compost making for all zones, 22 Apr 2021: fertilization	2
5-17	0	5	М		М	Horticulture training 4 (FFS)	→4: Training on pest control and IPM	30 Nov 2021: Diseases and pest control			21 Jun 2021: Making organic pesticide for chili	
5-18	0	5	М		М	Horticulture training 5 (FFS)	→5: Field training on harvesting and post-harvesting	29 Jun 2021: Harvesting for green pepper 17 Jan 2022: Harvesting and post-harvest			1-Oct 2021: harvesting irish potato	
5-19		5	L	L L		Horticulture training 6 (FFS)	Field training on farm machine and tools (winnower, planting machine, etc.)		23 Apr 2021: Repair work of damaged winnower machine of cooperatives with technicians. (20 machines are repaired)			
5-20	0	5		L M		Field training on field-level water- saving paddy irrigation	Training on water management at on-farm level		Feb 2021: preparation of training	Feb 2021: preparation of training		
5-21	0	5	М		IN AI	Field training on field-level water- saving upland irrigation	Training on water management at on-farm level	Feb 2021: preparation of training			Feb 2021: preparation of training	
5-22		5	М	M M	I I I	Knowledge Co-Creation Program in the third country	n Knowledge Co-Creation Program regarding farming (SHEP, CARD) in the third country					
5-23		5	L	L L	L	Improvement of nutrition	Improvement of nutrition through farming package	Jul 2021: Field survey Jan 2022: Dietary Diversity Survey			Jul 2021: Field survey Jan 2022: Dietary Diversity Survey	
5-24		5	М	M M	М	Post-harvest training	→Training on post-harvesting, collecting and shipment					
5-25		5	М	M M	М	Post-harvest training	→Training on operation and maintenance of agricultural facility (Drying yard, storage, etc.)					
5-26		5	L			Post-harvest training	→Training on operation and maintenance of cold storage					
5-27		5	М		L	Marketing training (option)	Introduction of contract farming and certificates	July-Aug 2020: consultation contract farming with cooperatives and private companies Sep 2020-Feb 2021: Consultation farming of chia seed and chili			July 2021: consultation contract farming with cooperative and private company. 30-31 Aug 2021: Study Tour to Ngoma 22 Sep 2021: consultation of making contract	Cooperative
5-28		5	М	L L	М	Coop management training (option)	Introduction of credit services for commercial farming					
5-29		5		L L		Marketing training (option)	Trial introduction of parboiling technique					
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TO CR of JICA RWANDA OFFICE

PROJECT MONITORING SHEET

Project Title: Project for Water Management and Capacity Building (WAMCAB) CAPACI

Version of the Sheet: Ver.7 (Term: May 2022 - October 2022)

[Japanese side] Name: Norio KUNIYASU

Title: Chief Advisor / Irrigation Policy

[Rwandan side] Name: Emile RUZIBIZA

Title: Project Manager

Submission Date 25th November 2022

I. Summary

1 Progress

1-1 Progress of Inputs

Japanese side

- Technical inputs remotely and physically provided by the experts: (1) Chief Advisor / Irrigation Policy, (2) Deputy Chief Advisor / Irrigation Policy, (3) IWUO Management, (4) Water Management / O&M, (5) Water Management / O&M / Capacity Development, (6) Farm Management, (7) Coordinator / Training, (8) Support for IMT Promotion, (9) Nutrition-sensitive Farm Management, (10) Irrigation Strategy Plan
- Eight Local Experts (National Staff: NS): (1) Local Coordinator / IWUO Officer, (2) 2
 Irrigation Engineers, (3) 2 Agronomists, (4) Assistant IWUO Officer, (5) Coordinator of Field Collaborators, and (6) Logistic / Monitoring and Evaluation
- Five Field Collaborators (FCs) in each model site of Ngoma, Rwamagana and Gisagara, who will be hired by the IWUOs/Cooperatives in the future as a manager and/or supporting staff
- Local operation cost for counterparts (C/Ps) and Task Force (TF) members who
 participate in the TF meeting, project training, study tour, evaluation, etc. until the end
 of Fiscal Year (FY) 2022/2023 (from July 2021 to June 2023)
- Local operation cost (transportation fees) to the farmers who participate in the project training, study tour, etc. until the end of FY 2022/2023 (from July 2020 to June 2023).

Rwandan side

- Assignment of C/Ps: (1) Project Director, (2) Deputy Project Director, (3) Project Manager, (4) Chief Implementer, (5) TF members at central, station and district level
- Project office at RAB HQs in Rubona / Huye and a temporal office at SPIU/MINAGRI

in Kigali.

1-2 Progress of Activities

Activity 1

- Activity 1.1 To identify problems of the current implementation of IMT procedures through baseline survey
- Activity 1.2 To identify problems of division of roles for the promotion of IMT and supports of IWUOs through baseline survey
- Activity 1.3 To identify problems of IWUO supporting system through baseline survey
- Activity 1.4 To select model sites upon the approval at JCC
- Activity 1.5 To implement the activities addressing to the above-noted problems
- Activity 1.6 To monitor the progress
- Activity 1.7 To draft IMT implementation manuals for IMT procedures, support system (including division of roles), support contents and monitoring
- Activity 1.8 To help C/Ps to draft proposal of amendment of the IWUO Policy and Strategy, and the Ministerial Order
- (Progress) After completion of the "Radio Training Program (Part II)" covering 10 themes from March to June 2022, re-broadcasting by community radio in Eastern and Southern Provinces has been discussed with the 3 target Districts.

As a part of preparation phase to formulate umbrella of IWUOs in the 3 target Districts, "Coordinating Committee of Rwamagana (CCR)" has been established at the District Irrigation Steering Committee (DISC) meeting on 26 April 2022 which consists of related IWUOs, Cooperatives and the District in the Rwamagana District.

To promote active collaboration with local government, the Project continues to involve Sectors related to the Project model site as well as DISC. DISC meetings have been periodically organised as indicated in the following table.

Year	Ngoma	Rwamagana	Gisagara	
2019	-	28/03 & 31/12	21/02	
2020	29/01 & 02/05	02/07 & 26/11	03/03	
2021		04/11	28/09	
2022	08/06	18/03, 26/04& 09/06	15/06	

As reported in the M/S #6, in response to a request to contribute to a development of "Irrigation Strategic Plan" by MINAGRI, the Project has supported to develop this exercise by managing the sub-contract and directly



implementing part of the field surveys, which will promote and contribute to policy discussion and recommendation by WAMCAB. The Project conducted the sub-contract on 6 June, kick-off meeting of sub-contract on 8 June and validation meeting of the inception report on 29 July 2022.

To encourage the involvement of TF members, the Project has supported the inclusion of project activities in the TF members' *Imihigo* (Performance Contract) or Action Plans in the Rwanda FY 2022/2023.

Activity 2

- Activity 2.1 To analyse the current situation in order to identify problems through baseline survey
- Activity 2.2 To elaborate the draft improvement plan of IWUO management based on the activity as written 2.1.
- (Progress) In accordance with the result of baseline survey, draft manual for IWUO Management Model and training manual is prepared and elaborated to the TF member in workshop conducted in 2021.
- Activity 2.3 To train C/Ps as trainers based on the improvement plan
- (Progress) The proposed IWUO Management Model is explained and discussed with the TF member. A workshop for verification of the draft manuals will be held in November 2022.
- Activity 2.4 To draft IWUO management improvement manuals
- Activity 2.5 To conduct IWUO training by C/P trainers in the model sites
- Activity 2.6 To improve the draft manuals based on the implementation of activity written as 2.5.
- (Progress) The occurrence of COVID-19 has made the implementation of some of the activity to be delayed. The proposed IWUO Management Model and training manuals are explained and discussed with the TF member. A workshop for verification of the draft manuals will be held in November 2022. The implementation of the training by C/P to model sites is planned for December 2022.
- Activity 2.7 To set up monitoring and evaluation system
- Activity 2.8 To implement monitoring and evaluation on relevant activities

(Progress) Manual for monitoring and evaluation (M&E) system is developed and

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discussed with the C/P. Trial implementation of M&E is planned to be undertaken in December 2022.

Activity 3

- Activity 3.1 To analyse the current situation in order to identify problems of operation and maintenance (O&M) through baseline survey
- Activity 3.2 To elaborate the draft improvement plan of O&M in the model sites based on the activity as written 3.1.
- Activity 3.3 To train C/Ps as trainers based on the improvement plan of O&M
- Activity 3.4 To draft O&M manuals
- Activity 3.5 To conduct IWUO training by C/P trainers in the model sites
- (Progress) Introduction workshop for TF members about the draft manual for output 3 was held in May 2022 to explain the content of the manual, discuss its contents and formulate a training schedule using the manual from June to December 2022.

Based on the Improvement Plan / Training Plan using draft manual for output 3, the Project and TF members conducted a series of activities to IWUO and FCs in the model sites with the support by the NS of the project as follows (From May to October 2022):

- ◆ Training for Facility inspection in Ngoma in May, Rwamagana and Nyabuyogera in September 2022
- ◆ Training for Participatory Irrigation Management in Ngiryi in August and Nyabuyogera in October 2022.
- ◆ Training for formulating O&M plan in Ngoma and Ngiryi in August, Rwamagana in September and Nyabuyogera in October 2022
- ◆ Facility inspection and support of community work in Ngoma in May, Rwamagana in September and Ngiryi in August 2022.
- ◆ Rehabilitation and construction of weir was conducted by IWUO with the assistant by the Project in June to September 2022.
- ◆ Five turnouts are rehabilitated and three new turnouts are constructed by IWUO under the initiative of the IWUO and technical advice from the Project in Ngiryi from May to October 2022.
- Activity 3.6 To improve the draft manuals based on the implementation of activity written as 3.5.
- Activity 3.7 To implement monitoring and evaluation on relevant activities

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(Progress) The list of manuals that have been prepared and the progress of each are as follows.

- ◆ Participatory Irrigation Management (Ver.0)
- ◆ Basic Civil Work (Ver.1)
- ◆ Advance Civil Work (Ver.0)
- ◆ Formulating O&M Plan (Ver.1)

Activity 4

- Activity 4.1 To analyse the current situation in order to identify problems of water management through baseline survey
- Activity 4.2 To elaborate the draft improvement plan of water management in the model sites based on the activity as written 4.1.
- Activity 4.3 To train C/Ps as trainers based on the improvement plan of water management
- Activity 4.4 To draft water management improvement manuals
- Activity 4.5 To conduct IWUO training by C/P trainers in the model sites

(Progress) Introduction workshop for TF members about the draft manual for output 4 was held in May 2022 to explain the content of the manual, discuss its contents and formulate a training schedule using the manual from June to December 2022.

Based on the Improvement Plan / Training Plan using draft manual for output 4, the Project and TF members conducted a series of activities to IWUO and FCs in the model sites with the support by the NS of the project as follows (From May to October 2022):

- ◆ Training on formulating Water Distribution Plan in Ngiryi in August 2022.
- ◆ Soil moisture condition has been measured and recorded in the Project demo farm of Ngoma from June to August 2022.
- ◆ Technical assistance to establish of on-farm canal and appointment of SWDs for better water management in Ngiryi in July 2022.
- ◆ Irrigated paddy cultivation area was increased from 65 to 112 ha in season A through the promotion of on-farm canal installation and field water saving irrigation (AWD: Alternate Wetting and Drying) in Ngiryi.
- Activity 4.6 To improve the draft manuals based on the implementation of activity written as 4.5.
- Activity 4.7 To implement monitoring and evaluation on relevant activities

An .

The list of manuals that have been prepared (or are planned to be prepared) (Progress) and the progress of each are as follows.

- On-farm Water Management (Ver.0)
- On-farm Water-saving Irrigation (Ver.1)
- Formulating Water Distribution Plan (Ver.1)

Activity 5

- Activity 5.1 To analyse the current situation in order to identify problems of agricultural extension and farm management through baseline survey
- Activity 5.2 To extract suitable methodologies from lessons learnt through relevant projects
- Activity 5.3 To train C/Ps as trainers based on the suitable methodologies
- Activity 5.4 To elaborate farm management training texts
- To conduct training by C/P trainers in the model sites Activity 5.5

(Progress)

Based on the Improvement Plan / Training Plan, the Project, TF members and FCs conducted a series of activities to Cooperative members in the model sites with the support by the NS of the project as follows (From May to October 2022):

- ◆ Training on disease and pest control in Cyaruhogo and Ngiryi in May
- ◆ Cooperative management and gender mainstreaming in Nyabuyogera in September 2022.
- ◆ SHEP workshop for TF member and Sector agronomists Gisagara, Rwamagana and Ngoma Districts in August 2022.
- ◆ TF member participated SHEP online training of Knowledge Co-Creation Program in May 2022.

Activity 5.6 To implement monitoring and evaluation on relevant activities

(Progress) As additional evaluation of training evaluation by Kirkpatrick, collected data which consists productivity and profitability by hearing trained farmers and referring their accounting book in September 2022.

1-3 Achievement of Output

Output 1 Irrigation Management Transfer (IMT) procedure, support system (including the roles of stakeholders), and contents of support to IWUO and procedures of monitoring are identified

- Discussions on the creation of an umbrella of IWUOs are progressing. As a first step towards this, CCR was established in Rwamagana District at the extraordinary DISC meeting on 26th March 2022.
- Functioning of DISCs and involvement of local authorities at the sector level are strengthened. As seen in the above-mentioned activity, the involvement of Rwamagana District is expanding such as periodical DISC meetings and monitoring activities by the team consisting of District officials, IWUO, Cooperatives, etc.

Output 2 IWUO management is enhanced in the model sites.

- The proposed IWUO management model is being implemented in the model sites. The model is being discussed and updated together with the TF members and C/Ps. The TF members are trained on the proposed model and expected to implement in the target District during the extension phases of the project.
- Since the implementation of this model, IWUO in the model sites could be able to hire support staffs (Cyaruhogo model site hire 10 staffs (irrigator and operators)), the Cooperatives and IWUO members have agreed to increase water fee from 200 to 300RwF/are/season at Cyaruhogo and to 400RwF/are/season in Nyigiri model site.

Output 3 Operation and maintenance are properly implemented in the model sites.

- Based on the Improvement Plan / Training Plan, a series of training and activities have been conducted for a total of 52 beneficiaries.
- Workshop on formulating O&M plan for TF members was conducted.
- The Project has provided technical assistance to IWUO in the model sites for the periodical inspections of facilities, maintenance, construction (drainage crossing canal in Nyabuyogera) and repair by community work (road drainage in Cyimpima), etc.

Output 4 Water management is properly implemented in the model sites.

- Based on the Improvement Plan / Training Plan, a series of training and activities have been conducted for a total of 64 beneficiaries.



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- Workshop on formulating water distribution plan for TF members was conducted.
- In collaboration with Output 5, the Project has provided technical assistance in the four demonstration farms (rice cultivation in Cyaruhogo and Ngiryi, and horticulture cultivation in Ngoma and Nyabuyogera).

Output 5 Farm management is properly implemented in the model sites.

- Based on the Improvement Plan / Training Plan, a series of training and activities has been conducted for a total of 233 beneficiaries.
- In collaboration with Output 4, the Project has provided technical assistance in the four demonstration farms (rice cultivation in Cyaruhogo and Ngiryi, and horticulture cultivation in Ngoma 22 and Nyabuyogera).
- Improvement of productivity and income by applying appropriate cultivation techniques and considering market situation in part of trained farmers are confirmed according to result of training evaluation.
- Participation of TF member in SHEP online training of Knowledge Co-Creation Program in May 2022.

1-4 Achievement of the Project Purpose

Project Purpose The capacity of irrigation scheme management improves in the model sites

- Based on the Improvement Plan / Training Plan, a series of training and activities are conducted.
- As mentioned above in 1-3 Achievement of Output, there has been an improvement especially in the activities related to IWUO management (Output 2), which is expected to the improvement of other Outputs and interactions between Outputs.

1-5 Changes of Risks and Actions for Mitigation

 For the prevention measures against COVID-19, the Project follows the rules and guidance by the Cabinet Resolutions. The Project shall continue to take necessary measures as the situation changes.

1-6 Progress of Actions undertaken by JICA

- In collaboration with MINAGRI, the Irrigation Strategy Plan is under preparation. The task is commissioned to a local consultant, and WAMCAB is managing the task given to the consultant. The task has commenced in August 2022, the field survey, key



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informant interview (KII), interview with farmers and its analysis have been conducted. The draft strategy report shall be readied in December 2022.

1-7 Progress of Actions undertaken by Gov. of Rwanda

 The Government of Rwanda, through the Cabinet, Ministry of Health and other responsible authorities, periodically reviews the restrictive measures to contain the spread of the COVID-19 pandemic and instructs necessary actions.

1-8 Progress of Environmental and Social Considerations (if applicable) N/A

1-9 Progress of Considerations on Gender/Peace Building/Poverty Reduction (if applicable)

N/A

- 1-10 Other remarkable/considerable issues related/affect to the project (such as other JICA's projects, activities of counterparts, other donors, private sectors, NGOs, etc.)
- In order to conduct the Project activities in Ngoma and Gisagara Districts effectively and efficiently, communication and collaboration with the WB-supported SAIP¹ and the EU-supported TECAN² have been conducted respectively.
- In order to improve irrigation system of the Cyaruhogo scheme, the Rwamagana District has prepared application documents of the Grant Assistance for Grassroots Human Security Projects (KUSANONE/ GGP) in cooperation with WAMCAB, and submit its application to the Embassy of Japan in Rwanda on 27 June. The Embassy dispatched its preparatory evaluation mission to the proposed field on 17 August 2022.

2 Delay of Work Schedule and/or Problems (if any)

- 2-1 Detail
- 2-2 Cause
- 2-3 Action to be taken
- As reported in the M/S #5&6, there has been a slight delay in the overall progress mainly due to the situation of COVID-19 pandemic, an extension of the second phase

² TECAN: Technical Assistance to Enhance the Government of Rwanda's Capacities in the Agriculture Sector for the Sustainable Use of Land and Water Resources, Value Creation and Nutrition Security



SAIP: Sustainable Agricultural Intensification and Food Security Project

"Technical Guidance Phase" was approved at the 6th JCC meeting in November 2021. The Project duration was also modified from five years to six years.

As reported in the M/S #5&6, due to the difficulties and lack of involvement of TF members especially for M&E, the preparations and discussions for the third phase "Institutionalization and Extension Preparation Phase" have not been progressed. Since July 2021, by a temporal cost-covering arrangement by JICA, the situation has been improved. However, as facilitation for the local operation and activities cost had been limited for a long time, the gaps have not been filled in.

2-4 Roles of Responsible Persons/Organization (JICA, Gov. of Rwanda, etc.) N/A

3 Modification of the Project Implementation Plan

3-1 PO

N/A

3-2 Other modifications on detailed implementation plan

(Remarks: The amendment of R/D and PDM (title of the project, duration, project site(s), target group(s), implementation structure, overall goal, project purpose, outputs, activities, and input) should be authorized by JICA HDQs. If the project team deems it necessary to modify any part of R/D and PDM, the team may propose the draft.)

N/A

4 Preparation of Gov. of Rwanda toward after completion of the Project N/A

II. Project Monitoring Sheet I & II as Attached

Annex I Project Monitoring Sheet I (Revision of PDM)

Annex II Project Monitoring Sheet II (Revision of PO)

Annex III Progress Summary of Improvement Plan and Training Plan (as of October

2022)

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Project Monitoring Sheet I (Revision of Project Design Matrix)

Project Title:

Project for Water Management and Capacity Building in Rwanda

Version 3.0

Period of Project: Six years (From 1 April, 2019 to 31 March, 2025)

Target Area:

Rwamagana and Ngoma Districts in Eastern Province and Gisagara District in Southern Province

Project Beneficiaries RAB, Irrigation Water Users Organizations and Districts

Dated 31st October 2022

Implementing Agenc Rwanda Agriculture and Animal Resources Development Board (RAB)

Collaborative Agenc Ministry of Local Government (MINALOC), District Authorities, Rwanda Cooperative Authority (RCA), Rwanda Governance

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumption	Achievement	Remarks
Overall Goal					
		Interviewing to district officers in the target areas			
accepted in the target Project Purpose	districts.				
The capacity of irrigation	The level of organizational capacity*1 of IWUOs	·Capacity Assessment of IWUOs	There is no drastic changes in	- Based on the Improvement Plan / Training Plan, a series of training and activities have	
scheme management improves in the model sites.	in the model sites increases to 70% or more	in the model sites -Project progress reports (including monitoring and evaluation reports)	officers at district and sector levels, especially for agriculture, irrigation and cooperative subsectors.	been conducted. - There has been an improvement especially in the activities related to IWUO management (Output 2), which is expected to the improvement of other Outputs and interactions between Outputs.	
Outputs					
 Irrigation Management Transfer (IMT) procedures, support system (including the roles of stakeholders), and contents of support to IWUO and procedures of monitoring are identified. 	IMT implementation manuals are approved at JCC.	JCC minutes		- Discussions on Policy Advice for IWUO and IMT are progressing The functioning of DISCs and the involvement of local authorities at sector level has been strengthened To ensure the achievements and improve the added value of the Project, Radio Training Program, a series of Webinars and Online Study Tour have been conducted To examine the survey methodology for the irrigation scheme inventory, the Project conducted a desk review/survey and sample field survey at 50 irrigation schemes In collaboration with MINAGRI, WAMCAB has supported to develop the "Irrigation Strategic Plan" by managing the sub-contract and directly implementing part of the field surveys, which will promote and contribute to policy discussion and recommendation by WAMCAB.	 Policy discussion and recommendation, improvement of IM procedures and IWUO support system have been continuous conducted in cooperation with related stakeholders.
IWUO management is enhanced in the model sites.	IWUO Management improvement manuals are approved at JCC.	JCC minutes	> DISC and RAB should be involved in IWUO activity > IWUO should be part of Imihigo of District > Irrigation related staffs should be recruited for each District and RAB > Proper implementation of Ministerial Order is secured	- The Project has provided technical guidance for IWUO in each model site through the capacity development of FCs, who are working for IWUOs as managers and temporarily hired by the Project, and the some improvements such as organizational management and financial management have been observed. - Since April 2022, FCs in Cyaruhogo, Ngoma and Ngiryi has started to be employed by IWUO by cost-sharing with WAMCAB. - All IWUOs or Coopeartive in model sites secured and rehabilitated their office with the support of WAMCAB.	- The Cooperative of Cyaruhogo model site have conducted thorough discussion on IWUO activities and the need for increasing the water fee. They have agreed to increase water fee from 200 to 300RwF per are. This is a huge change of beneficiaries on the importance of IWUO in the O&M of the scheme.



Operation and maintenance are properly implemented in the model sites.	Operation and maintenance manuals are approved at JCC.	JCC minutes	- A series of training and activities have been conducted according to the Improvement Plan / Training Plan. Especially, trainings are conducted by the TF members using the draft manual and it contributes to understanding the content of the manual and fosters ownership. - O&M plan (Ver.0) has been developed together with IWUO and TF members. - The Project has provided technical assistance to IWUO in the model sites for the periodical inspections of facilities, maintenance and repair by community work, etc. - Water distribution plan (Ver.0) has been developed together with IWUO and TF members. -It is observed that some facility repairs are made in each model site using IWUO's budget, workforce and skill learned in the training by WAMCAB, showing that ownership is gradually fostered. - In Ngiryi model site, a old weir has been rehabilitated by IWUO with the assistant by the Project. The Project provided technical guidance, necessary equipment and materials for construction. - In Cyaruhogo model site, a weir has been newly constructed by IWUO with the assistant by the Project. The Project provided technical guidance, necessary equipment and materials for construction. - In Ngoma model site, facility rehabilitation was conducted by the consultant and the Project, and establishment of rules for use of facilities for better operation and maintenance is conducted by the Project.	- In Ngoma model site, facility rehabilitation was conducted by the consultant at the time of Grant aid project.
Water management is properly implemented in the model sites.	Water management manuals are approved at JCC.	JCC minutes	 A series of training and activities have been conducted according to the Improvement Plan / Training Plan. Especially, training are conducted by the TF members using the draft manual and it contributes to understanding the content of the manual and fosters ownership. Water distribution plan (Ver.0) has been developed together with IWUO and TF members. In collaboration with Output 5, the Project has provided technical assistance in the four demonstration farms (rice cultivation in Cyimpima, Ngiryi schemes and horticulture cultivation in Ngoma 22, Nyabuyogera schemes). 	
5. Farm management is properly implemented in the model sites.	The extracted farm management methodologies are accepted in the model sites.	Project progress report	 Improvement of productivity and income by applying appropriate cultivation techniques and considering market situation in some parts of trained farmers are confirmed according to the 	It was confirmed that District agronomist has important responsibility to supervise cooperative and support their activity, however Gisagara District agronomist was transferred to other department. Also, in Ngoma District, no agronomist is elected as TF member, so one new TF member from agronomist shall be replaced in Gisagara and Ngoma, respectively.



Activities		puts	Important Assumption
	(1) Input by Japanese side	(2) Input by Rwandan side	Important Assumption
1-1. To identify problems of the current implementation of IMT procedures through baseline survey 1-2. To identify problems of division of roles for the promotion of IMT and supports of IWUOs through baseline survey	Dispatch of Experts (1) Regular Team Experts 1) Chief Advisor / Irrigation Reliev	Assignment of C/Ps (1) Project Director (2) Deputy Project Director (3) Project Manager	
1-3. To identify problems of IWUO supporting systems through baseline survey	2) Deputy Chief Advisor /	(4) Chief Implementer	Pre-Conditions Pre-Conditions
1-4. To select model sites upon the approval at JCC	Irrigation Policy	(5) Core C/Ps to work with the	Basic agreement is made between MINAGRI and MINALOC for the expected collaboration in the project.
baseline survey 1-3. To identify problems of IWUO supporting systems through baseline survey	1) Chief Advisor / Irrigation Policy 2) Deputy Chief Advisor / Irrigation Policy 3) IWUO Management 4) O&M / Water Management 5) O&M / Water Management / Capacity Development 6) Farm Management 7) Coordination/Training 8) Nutrition-sensitive Farm	(2) Deputy Project Director(3) Project Manager(4) Chief Implementer	Basic agreement is made between MINAGRI and MINALOC for the expected collaboration in the project.
4-2. To train C/Ps as trainers based on the improvement plan of water management in the moder sites based on the 4-3. To train C/Ps as trainers based on the improvement plan of water management			
4-4. To draft water management improvement manuals			
4-5. To conduct IWUO training by C/P trainers in the model sites			
4-6. To improve the draft manuals based on the implementation of activity written as 4-5			
4-7. To implement monitoring and evaluation on relevant activities			
5-1. To analyse the current situation in order to identify problems of agricultural extension and farm management through baseline survey 5-2. To extract suitable methodologies from lessons learnt through relevant projects 5-3. To train C/Ps as trainers based on the suitable methodologies 5-4. To elaborate farm management training texts			
5-5. To conduct training by C/P trainers in the model sites			
5-6. To implement monitoring and evaluation on relevant activities			





Sub Activities	Year		2019		020	202		a lander of	202		die F	la i la la	2022				2023				2023	-		124	Responsible Organization		Achievements	Issue & Countermeasures
Sub-Activities To draft O&M manuals	Month	At Iway Jun 10	Aug Sep Oct.No	v Dechan Feb	war.Apr.May	Jun. Jul. Aug.S	sep Oct. Nov De	ocuan Feb.Mar	Apr.MayJun. J	Jul. Aug Sep Oc	Nov Dec Jar	Feb.Mar Apr	May Jun. Ju	Aug Sep Oct	NOV Dec Jan	Feb Mar Apr. A	tayJun. Jul. A	Aug Sep Oct. N	VDec.Jan.F	eb Mar Apr. M	layJun. Jul.	Aug Sep Oct.	Nov Dec Jan	Feb. Ja	ipan G	oR		issue a Countermeasures
To draft O&M manuals	Actual			(4)	11							1 1	1													+-	The draft manuals were prepared through discussion with C/Ps.	
1) Formulating draft of the manuals	Plan Actual											11			-												Ditto	
2) Discussion with C/Ps regarding the draft of the manuals	Plan Actual				1001.1	0.04.0							20														Ditto	
To conduct IWUO training by C/P trainers in the model sites	Plan				100											Service .			1000								Training programs are being implemented.	
To conduct 19700 training by Oir Baniers in the moder sites	Actual Plan							11111	8 8 8 1	1 1 1 1	1 1 1	1 - 9	1 1	111														
1) Planning the training programs with C/Ps	Actual							11111		1 1 1 1	11111	1 1		111					+H								Training programs are being prepared for advance civil training.	
(2) Selection of target participants, training schedule and venue, etc.	Plan Actual				1 1		1111																F177	101			Selection of target participants is being prepared.	
3) Implementation of training with C/Ps	Pfan								11111	11111			1.111	11111	1111	0001	1111	11111	1111		1111	10111		31			Filed visit by JICA HQ in Ngoma 22 was done.	
To improve the draft manuals based on the implementation of	Actual Plan					49 8 9				1111				8 8 8									/					
ity written as 3, 5	Actual									- 1		1		1 1													The draft manuals are being prepared through discussion with C/Ps.	
Evaluating the training by Kirkpatrick method	Plan Actual											100								10 10		100					Evaluation is being implemented.	
(2) Revision of the manuals	Plan Actual																											
2) Discussion with C/Ds reporting the improved manuals	Plan						+++									+	+++	111		+++								
Discussion with C/Ps regarding the improved manuals	Actual Plan																											
To implement monitoring and evaluation on relevant activities	Actual																				998							
1) Setting evaluation index	Plan						15 71												H									
	Plan						111												+++	111			+	-				
2) Planning monitoring and evaluation	Actual												MESE						\Box									
Implementation of monitoring and evaluation on relevant ctivities	Plan Actual														111	3 8 8				+++								
s: Water management is properly implemented in the mode	l sites.																											
To analyze the current situation in order to identify problems of	Plan																										The Project implemented basic information collection	
r management through baseline survey	Actual																										from the commencement of the Project and baseline survey from Jun. to Sep. 2019.	
1) Setting baseline survey items regarding water management	Plan											F 100 Y															Baseline survey items have been prepared.	
	Actual Plan			HH			+++			+++							111				-		1 1					
2) Planning and implementation of baseline survey	Actual																										Baseline survey has been planned and completed by July.	
(3) Analyze the result of baseline survey and identify the current problems	Plan Actual	5 7 1					+++			-								111	H		111						Data analysis was advanced with partial results.	
To elaborate the draft improvement plan of water management in	2000000	9 6 7 1	180	BOO																	++						The concept of Improvement Plan/Training Plan was	
model sites based on the activity as written 4.1	Actual	F1 2 4											777			111		111		+++	+++						shared with TF members through workshops and the 2nd	
(1) Holding workshops on the identified problems	Plan						+++			+++						111	1	+++		+++	+++	-	++	-			TF meeting in Aug. 2019. The project held a workshop in each targeted district	
1) Forming workshops on the identified problems	Actual																										including all outputs in August and December.	
(2) Familia de Japania	Plan														March 1												The concept of Improvement Plan was presented in the workshop in each district and the 2nd TF meeting in	
(2) Formulating the draft of the improvement plan through the workshops	COLUMN 1		1000				-		+++	+++			4		+	+++	+	+++	++	+++	+++	+++	-	-			August.	
	Actual							E113					7 7									711					Ideas of work items in Phase 1 and training item for draft Improvement Plan are being prepared.	
(3) Approval of the draft improvement plan at JCC meeting	Plan																										The concept of the draft improvement plan was	
To train C/Ps as trainers based on the improvement plan of water	Actual Plan				200 000						STATE OF THE PARTY NAMED IN										$\overline{\Box}$						approved at JCC meeting.	
gement	Actual							1111			1113		111	6 8													The draft manuals were prepared through discussion with C/Ps.	
1) Planning the training programs	Plan Actual																										Training programs are being prepared.	
2) Selection of target participants, training schedule and venue,	Plan																						1				- Selection of Demo plot for hillside irrigation was	
IV.	Actual							1000	11111		1 4 1						1										selected	
3) Implementation of training of C/Ps	Actual					_]]]]		1111	2111	1 1 1	1 1 0																Training programs are being implemented.	
To draft water management improvement manuals	Plan Actual				100			18800		8 8	3 2 0							+++			$+\Box$						The draft manuals were prepared through discussion with C/Ps,	
1) Formulating draft of the manuals	Plan Actual								VIII																		Instruction manual for AWD was translated	
2) Discussion with C/Ds regarding the death of the ways	Plan			2000					1 0 0	1	9 9 9												1					
Discussion with C/Ps regarding the draft of the manuals	Actual			10																							The draft manuals were prepared through discussion with C/Ps.	
To conduct IWUO training by C/P trainers in the model sites	Plan Actual										1 1 1					207 100			100		18,89						Training programs are being implemented.	
							11111														111						Training programs are being prepared.	
	Plan													1													Practical water distribution plan for Rwamagana is under consideration including hillside irrigation	
Planning the training programs with C/Ps	1									1 1 1	1 1 1	1	111	1 7 7		+++		1			+++	1	1 2	-	-		ToT to WAMCAB national staff was done by Japanese	
	Actual																										expert about preparation of water distribution plan.	
2) Selection of target participants, training schedule and venue,	Plan									-	9 8 8							+++			+++		-	-			. Selection of target participants is being proper-	
to,	Actual					11111		1111			1																Selection of target participants is being prepared.	
3) Implementation of training with C/Ps	Plan					11111	4114				11111													X.			Basic Water Management Training was conducted to ON Team Farmer' Benefit Team and Water Heart	
	Actual												111												1		O&M Team, Farmers' Repair Team and Water Users Team Leaders	

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tivities	Year			2019		202	0		2020			2021	1				2022				2023				2023		202	24 Respons	ible Organization	Achievements	Issue & Countermeasures
Sub-Activities	Month	Apr. May	Jun. Jul.	Aug Sep C	Oct. Nov De	Jan Feb N	ar Apr May	Jun. Jul. A	ug Sep Oct.	Nov Dec Ja	n Feb Mar Ap	x.MayJun.Ju	ul. Aug Sep	Det Nov De	ec Jan Feb N	Mar Apr. May	Jun, Jul. Aug	g.Bep.Oct.N	lov Dec Jan.	Ho Mar Apr.	May Jun. Jul.	Aug Sep Oct.	Nov Dec.Jan.	Feb.Mar Apr. 1	May Jun. Jul. A	wg.Sep Oct.	Nov Dec Jan.	Feb. Japan	GoR	McHevellielits	isade a countermeasures
6. To improve the draft manuals based on the implementation of	Plan															15 5 5														The draft manuals are being prepared through	
tivity written as 4.5	Actual					1									1 1 1	10		9 3	100	100										discussion with C/Ps.	•
(1) Evaluating the training by Kirkpatrick method	Plan Actual														111			9.0											at the same	Evaluation is being implemented,	
(2) Revision of the manuals	Plan Actual	51	2 20										100					0 0													
(3) Discussion with C/Ps regarding the improved manuals	Plan Actual																			8 2 2											
o implement monitoring and evaluation on relevant activities	Plan Actual				-																					1					
1) Setting evaluation index	Plan Actual												1		+																
2) Planning monitoring and evaluation	Plan Actual					\Box															2 - 1										
) Implementation of monitoring and evaluation on relevant	Plan		0					_												111		- 19				_	-				
ctivities 5: Farm management is properly implemented in the model	Actual sites.		-																												
To analyse the current situation in order to identify problems of icultural extension and farm management through baseline survey	Plan																													 The Project implemented basic information collection from the commencement of the Project and baseline survey from Jun. to Sep. 2019. In addition, the productior record of cooperatives were collected and the necessary survey on farming was conducted. 	
(1) Setting baseline survey items regarding farming and agriculture	Plan																											The questionnaire survey f		Baseline survey items have been prepared.	
extension	Actual																											been conducted.			
2) Planning and implementation of baseline survey	Plan		-		++	H	+H	-		-	111		+		++	+							-				+			 Baseline survey has been planned and completed by August. 	
Analyse the result of baseline survey and identify the current roblems	Plan Actual																													 Data analysis was advanced with partial results. Discussions on the current situation and problems have been conducted with C/P. 	
o extract suitable methodologies from lessons learnt through ant projects	Plan Actual																	H	#											 Information from the relevant projects has been collected. 	
) Collecting information from relevant projects	Plan Actual																	Н												Information from relevant projects has been collected.	
2) Organize the collected information and lessons learnt	Plan Actual												+		+++	-				1			+		+		+			Analyse and organize the collected information and lessons learnt with C/P	
(3) Extract suitable methodologies	Plan Actual																			1										 Preparation of draft concept of the improvement plan. The draft improvement plan was approved at JCC meetin and was shared at TF meeting. 	
To train C/Ps as trainers based on the suitable methodologies	Plan Actual		+																											Training programs are being prepared.	
1) Planning the training programs	Plan Actual												1	H																Ditto	
2) Selection of target participants, training schedule and venue,	Plan Actual														+															Ditto	
3) Implementation of training of C/Ps	Plan Actual															1111	1111	1111	1111	111			- 0							Ditto	
To elaborate farm management training texts	Plan						100																							The draft manuals were prepared through discussion with C/Ps.	
	Actual Plan	1	Y												111					1 .										Ditto	
1) Formulating draft of the texts	Actual		-		-										111					1 -			500	15					-	Ditto	
2) Discussion with C/Ps regarding the draft of the texts	Actual		1																											Ditto	
3) Elaborate the texts in cooperation with C/Ps	Plan Actual				+																										
To conduct training by C/P trainers in the model sites	Plan																											tentulus come annecestad to	nt and gender mainstreaming r cooperatives in all four (4) g training was conducted for Nyabuyogera model site.	 In order to examine a new implementation structure, pre-training was conducted in February 2020. The main implementer in the new structure was not C/Ps a but WAMCAB experts and field collaborators in the future C/Ps (TF members) are mainly responsible for M/E. 	
	Actual																											The draft manuals of		Ditto	
1) Planning the training programs with C/Ps	Actual															9 199												making crop calendar was prepared in marketing training.			
Selection of target participants, training schedule and venue, etc.	Plan Actual																						4							Ditto	
	Plan								99																			As there was request of conducting 2nd coop management training of	SHEP WS was conducted collaboration with TF member, Mr. Cyubahiro in	in • Demonstration farms for paddy rice production from December 2020 was conducted. There was flood in Nyabuyogera scheme and Ngiryi	 Due to the severe restrictions against COVID- training programs have been postponed.
(3) Implementation of training with C/Ps	Actual																											cooperative, it was conducted in Nov 2021 in Nyabuyogera.	August 2022.	scheme and some crops were destroyed including demo farms in Nyabuyogera at the end of Oct 2021.	





31st October 2022

Work Breakdown Sheet (Revision of Plan of Operation)

pject Title: Project for Water Management and C		uilding i		la																							Mos	nitoring
outs	Year	Apr. May Jun.	2019	Ont Navibas	2020		2020	Out Name base	In Fabrica	2021		Van bas Van l	Cab Mark	2022	in au			2023	h - h - h -	b		2024		2025				
	Rwandan	2018/2019	arr Laglochic	2019/202		Aprilway Jun. J	Jul. Aug.oep	OCI.NOV DEC	Jan. Peb.Wai	pr.mayJun. Ju	. Aug Sep. Co.	NOV Dec Dan.	Lep wat whi	wayoun, yur e	lug Sep Onil	ov Dec Jan. Fe	Mar Apr.M	ayJun, Jul. Au	Sep.Oct.No	Dec.Jan.Feb.	nar Apr. MayJ	un. Jul. Aug.Sej	p.Oct.NovDec	cuan.Feb	Rem	narks	Issue	Solution
nese Expert	Fiscal Year		TI				+++	+	+++	+++	+++		-								111	+++		-	8 Japanese Experts have a	conducted project activities in	Due to the global pandemic of COVID-19, Japanese	JICA HQ and Chief Advisor agreed on that all Ja
	Plan	HALL		80			342004			100		11.				81 8					1 100			1981	accordance with the Work Plant - An expert in charge of "Nu	an and PO.	experts are restricted to travel to Rwanda from March to December 2020.	assignments until the end of June are conducted re
) Chief Advisor / Irrigation Policy Deputy Chief Advisor / Irrigation Policy	Actual Plan			88	M.													- 100				8			Management" has been adde with Sector Policy Loan for N	ed to promote and collaborate	Due to lockdown of Kigali ordered by the Cabinet Resolutions on 18th January 2021, travel of Japanese	from Japan (as of 24 April 2020). JICA HQ and Chief Advisor agreed on that all Jajassignments until the end of September are conducted.
	Actual Plan	GSA .			1000	9/19/19		Telepide.		1 10				100	-	00 Ra	9			and the same		100		100	Agriculture Transformation. • An expert in charge of "Su	pport for Irrigation Strategic	experts after that date was temporarily suspended by JICA HQ.	remotely from Japan. Besides, to ensure the achievements and improve the added value of the li
) IWUO Management	Actual Plan					20,0																			Plan" will be added after April development of Irrigation Stra	tegic Plan in collaboration	The travel suspension after 18th January 2021 was lifted on 26th February 2021 by JICA HQ.	additional works such as radio broadcasting, webin online study tour will be implemented remotely. (as
) O&M / Water Menagement	Actual			1				1111		81		100													with MINAGRI and its taskfor	ce members.		May 2020). - JICA HQ and Chief Advisor agreed on that all Ja
O&M / Water Management / Capacity Development	Plan Actual																			46								assignments until the end of March 2021 are cond remotely from Japan. (as of 15 September 2020). JICA HQ and Chief Advisor agreed on that the conditions are september 2020.
) Farm Management	Plan Actual				100						H						H	+++			1	- 10		-				of Japanese experts has been resumed from the n
Coordination / Training	Plan Actual	188				NAC STATE			10000	118										. 3000		1 18		100				January 2021. Besides, additional works such as and online study tour had been continued. (as of 2 December 2020).
Support for IMT Promotion	Plan Actual			10																								After suspension period, the dispatch of Japane experts was resumed from 10th March 2021.
Nubrition-sensitive Ferm Management	Plan	100			-							1	10															experts was resumed from 10th March 2021.
	Actual Plan																	++				+++		H	1			
) Support for Irrigation Strategic Plan ndan Expert	Actual																								DOG/BAB ups assigned a	e Danuty Project Director by	The Project is considering practical cascade training	- During the change of the DOUBAR DOOIDAR
) Project Director / Deputy Project Director	Man																							100	Project Director (DG/RAB) on Chief Implementer and con-	9 April 2019.	system with the assigned C/Ps.	 During the absence of the DG/RAB, DDG/RAB acting on his behalf. (Originally, DDG is the Deput Project Director.)
	Actual Plan																								assigned on 9 April 2019.		 DG/RAB (Project Director) was temporarily leaving his duty until 27th January 2021. 	 Reassignment of TF members will be discusse
2) Project Manager	Actual															9000			THE RESERVE						 Project Manager was recru Core C/Ps at station and d assigned in June 2019. 			Rwandan side where necessary.
) Chief Implementer	Actual Plan																								 From 1 May 2021, Chief In replaced by the central C/P in 			
) Central CP for Operation and Maintenance	Actual																				1				management due to another a			
) Central C/P for Water Management	Plan Actual																								One of the C/Ps was put in calendar for the Sector Policy		- 0	
) Central CIP for Farm Management	Plan Actual																								Improvement through Agricult	ure Transformation.		
C/Ps at station and district level	Plan Actual																		U 28 8		e column							
pment	Plan																								1 copy machine and 4 lapte To increase the operating a	op computers were procured		
opy machine	Actual																								additional memory (RAM), and improvement.			
ptop computer	Plan																								4 tensiometers including di were procured in March 2021.			
ensiometer	Plan Actual																								2 winnower machines were			
ensiometer Data Display	Plan Actual																											
errent meter	Plan Actual																											
Innover machine	Plan																											
ning in Japan	Actual		+++			+++		+++	-	+++						+++			-			-	+++		Knowledge Co-Creation Pro	ogram in Japan on Irrigation	Due to the global pandemic of COVID-19, the KCCP in	Considering the continued current situation, the
	Plan																								Water Management and Nutri been planned to be held in the	ition Improvement Policy has	Japan has been postponed.	possible date shall be arranged by the persons concerned.
ountry/Third country Training	Actual			+						-										44					beginning of May 2020.	orrow in Township for Mateu	- Due to the global pandomic of COMP 46, the KOOP is	
nanay/Inita Councy Training	Plan Actual					G V III																			Management and O&M has b	een planned.	 Due to the global pandemic of COVID-19, the KCCP in the third county has not been arranged. 	 Considering the continued current situation, the possible date shall be arranged by the persons concerned.
tivities	Year		2019		2020		2020			2021				2022				2023				2023		2024	Responsible			Transcriptory
Sub-Activities at 1: Irrigation Management Transfer (IMT) procedures, support	Month 4	Apr. May Jun J	Jul. Aug Sep O		Jan Feb Mar.		ul. Aug Sep O			or May Jun. Jul.			eb Mar April		ug Sep Oct N	ov Dec Jan, Fee	Mar Apr. Ma	_	Sep Oct Nov	Dec.Jan Feb.						GoR	Achievements	Issue & Countermeasures
To identify problems of the current implementation of IMT	Plan			- 1																				118	/		The Project implemented basic information collection from the commencement of the Project and baseline	
rocedures through baseline survey	Actual																				1						survey from Jun. to Sep. 2019.	
(1) Collecting data and the reviewing regarding IMT procedures	Plan Actual																								6		Basic data collection and its review has been conducted.	
(2) Setting baseline survey items regarding IMT procedures	Plan Actual	7 10 10										+								-							Baseline survey items have been prepared.	
(3) Planning and implementing the baseline survey	Plan Actual						111																	\Box			Baseline survey has been planned and implemented.	
(4) Analyzing the result of baseline survey and identify the current	Plan											111								111							The started time was delayed and the analysis was	
problems	Actual																									-	continued in September based on the result of discussion in Workshops and TF meeting.	
(5) Summarizing the current problems	Plan																										 The summarization was continued in September based on the result of discussion in Workshops and TF meeting 	
2. To identify problems of division of roles for the promotion of IMT	Actual													+++													• Same as 1.1	
d supports of IWUOs through baseline survey (1) Collecting data and the reviewing regarding division of roles for	Actual																										- Same as 1.1 (1)	
the promotion of IMT and supports of IWUOs (2) Setting baseline survey items regarding division of roles for the	Actual			+	-	+++	111					\blacksquare								-							• Same as 1.1 (2)	
promotion of IMT and supports of IWUOs	Actual																											
(3) Planning and implementing the baseline survey	Actual						111									-											• Same as 1.1 (3)	
(A) Analyzing the result of baseline supply and identify the supply			9 9			_				+++		-				1		1							4		- Same as 1.1 (4)	
(4) Analyzing the result of baseline survey and identify the current problems	Actual					_			+++					+++		+++	++		\vdash	-							- Same as 1.1 (5)	





tivities	Year		201			2020		202				2021				20					2023				202			2024	Responsible Organization	Achievements	Issue & Countermeasures
Sub-Activities	Month	Apr. May Ju	ın. Jul. Aug	Sep Oct No	v Dec Jan	Feb Mar A																	Nov Dec. Ja	n Feb Mar A	or. May Jun.	ul. Aug.Sep O	oct.NovDec	Jan.Feb.	Japan GoR		issue & Countermeasures
To identify problems of IWUO supporting systems through line survey	Plan Actual		188		H	H	_						H					_	_					11	+H		-	H		- Same as 1.1	
(1) Collecting data reviewing regarding IWUO supporting system	Plan																	-	4				11							• Same as 1.1 (1)	
2) Setting baseline survey items regarding IWUO supporting	Actual				1 11																			+++	+++	+++				• Same as 1.1 (2)	
ystem	Actual			(F) (-) (-)		6 -	3		-	FI H H	100																De 1	- 0			
3) Planning and implementation of baseline survey	Plan							+	+++						+++		11					+			111			H		• Same as 1.1 (3)	
Analyze the result of baseline survey and identify the current problems	Plan												H		H				444		H	-		H	1		-	H		• Same as 1.1 (4)	
(5) Summarizing the current problems and obstacles	Plan																			11										• Same as 1.1 (5)	
	Actual			- 100		+++					-		++	1	1			++	111	-	+++	+				111	++			Based on the review of basic information collection and	
To select model sites upon the approval at JCC	Plan																													the results of baseline survey, workshops and the 2nd TF meeting were held in Aug. 2019. TF members and the Project team broadly agreed on model sites in each district.	
	Actual								111																					 The final decision was made in the 2nd JCC meeting in Nov. 2019. 	
Considering the possible candidates for model sites	Plan Actual													100					11						H					Ditto	
	Actual	-												\pm		$\pm H$	$\pm \pm \pm$		11											Ditto	
) Preparing a shortlist of model sites	Actual				F	H	T												-											Based on the progress report of analyzing the baseline	
2) 0.1115-11-11-11-11-11-11-11-11-11-11-11-11	Plan																													survey, workshops in each district were held and	
3) Setting the criteria for selecting model sites	Actual				П																									discussion of the criteria for selecting model sites was started.	
	Plan																													Based on the discussion of the workshop in each district, the model sites were decided in the 2nd TF	
(4) Determination of the model sites	Actual		TE		П		1							1																meeting in August. The final decision was made in the 2nd JCC meeting.	
) Preparing document for the JCC	Plan																													Necessary document was prepared for the 2nd JCC mosting	
/	Actual		-				-	+++		X D						+++			F	-		-			1		-			meeting. The concept of Improvement Plan/Training Plan was	
To implement the activities addressing to the above-noted lems	Plan				H		+		+													+								shared with TF members through workshops and the 2nd TF meeting in Aug. 2019.	
Setting a direction of activity against the current obstacles	Plan Actual									1								\Box	111						\Box					Ditto	
2) Setting a series of the activities and schedule	Plan																													Ditto	
E) coming a series of the destricts and series and	Actual	-			+		+	+++	++						++	+++		-	-	-		-			+++		-			The concept of the improvement plan and training plan	
Setting the responsible and expenditure in accordance with ach activity	Plan													H													+			was shared in workshops in each district and the 2nd TF meeting and the responsible persons in Rwanda and Japanese side were confirmed.	
(4) Implementing a series of the activities	Plan																												Presentation on Japanese Policy was given in the TF meeting.	Based on the result of baseline survey, the draft Improvement Plan/Training Plan is being prepared.	
	Plan				H	- 100							+++	++	H	+	+++	+					++		+++	+++	+		meeting.	The draft Improvement Plan/Training Plan is being	
i) Summarizing the series of the activities	Actual		11																											summarized.	
o monitor the progress	Actual															100														Same as 1.5	
) Setting a direction of monitoring activity	Plan												1						1 7		+++				+++		0	9 6		Same as 1.5 (1)	
2) Setting a series of the activity and schedule	Plan Actual		1 199								7 -7 6			100							H				111		1			Same as 1.5 (2)	
3) Setting the responsible and expenditure in accordance with	Plan																		1 9											Same as 1.5 (3)	
ach activity	Actual			7 60 00	100								100					100						100 00 0		40000			Presentation on Japanese	Implementation of a series of the activities has been	
4) Implementing a series of the activities	Actual		-	-																		1			1		-		Policy was given in the TF meeting.	monitored.	
5) Summarizing the series of the activities	Plan				_																									Monitoring activities are being summarized.	
A community the series of the gordines	Actual						0 00 00							1/ 5											++-					In order to prepare draft implementation manuals, the	
o draft IMT implementation manuals for IMT procedures, support m (including division of roles), support contents and monitoring	Plan																													action was started in advance. The first and second WAMCAB Webinars (web seminars) by Prof. Satoh were organized on 23rd October and 27th November 2020. The third Webinar by Dr. Sato was organized on 21st	
) Setting a direction of preparation of IMT implementation	Plan																													May 2021, Ditto	
nanuals	Actual						10000				100 DE				100		00	98					200							Ditto	
2) Formulating drafts of the manuals	Actual																			100	-									Ditto	
(3) Improving the drafts	Actual														-																



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Sub-Activities	Year Month	Apr. May Jun. Jul	Aug Sep Oct N		2020 Feb Mar Apr N		2020	VDec Jan Ech		Jun Jul Aug	Sen Oct No.	Dec Jan Set	Mar Ary Sta	2022	Sen Ort Navi	lan Can Can II		2023	Det Nach	o len back		2023	an lost han be	2024			Achievements	Issue & Countermeasures
GUNTAGUVILLES	Month	Jul	- wg sep Oct.N	nov Dec Jan	- opyran April	mayoun, Jul. A	-ug-sep Oct,No	vecuan Feb.	war Apr.May	Jun. Jul. Aug	sep. Oct. Nov.	reculan.Feb.	mar pri May	nutti Jul Aug	SEP OF NOV	and wan, Feb Mi	Apr.MayJu	m. Jul. Aug Se	Oct.NovDe	c.Jan.Feb.M	ar Apr.MayJu	m. Jul. Aug.S	ep Oct NovD	ec Jan.Fe	Japan Japan	GoR	In order to prepare draft proposal of amendment of the IWUO Policy and Strategy and the Ministerial Order, the	
. To help C/Ps to draft proposal of amendment of the IWUO Policy d Strategy, and the Ministerial Order	Actual	4																							-		action was started in advance. The first and second WAMCAB Webinars (web seminars) by Prof. Satch were organized on 23rd October and 27th November 2020.	
(1) Setting a direction of preparation of proposal of amendment	Plan Actual																				205			#			Ditto	
(2) Supporting formulation of draft proposal	Plan																							8 20			Ditto	
(3) Supporting Improvement of the draft .																						1010		191			Ditto	
t 2: IWUO management is enhanced in the model sites. To analyse the current situation in order to identify problems	Townson I		District Co.											-														
ough baseline survey	Plan									+	+H		+		+					H							 The Project implemented basic information collection from the commencement of the Project and baseline survey from Jun. to Sep. 2019. 	
(1) Setting baseline survey items regarding IWUO	Plan Actual												_														Baseline survey items have been prepared.	
(2) Planning and implementation of baseline survey	Plan Actual																										Baseline survey has been planned and implemented.	
(3) Analyse the result of baseline survey and identify the current problems	Plan Actual													_													Data analysis of baseline survey has been conducted.	
(4) Preparation of draft improvement plan	Plan Actual	-				+						+H								H				+			 Draft improvement plan was prepared and shared with C/Ps. 	
To elaborate the draft improvement plan of IWUO management	Plan																										The concept of Improvement Plan/Training Plan was shared with TF members through workshops and the 2nd	
ed on the activity as written 2.1 (1) Holding workshops on the identified problems and on the draft	Actual Plan										++1				-									1			TF meeting in Aug. 2019.	
implementation plan	Actual Plan			100																							The concept of the draft improvement plan was revised.	
(2) Revision of the draft of the improvement plan after workshop	Actual			100							+																after workshop. The concept of the draft improvement plan was	
(3) Approval of the draft improvement plan at JCC meeting	Actual Plan												4960			1000											approved at JCC meeting.	
. To train C/Ps as trainers based on the improvement plan	Actual Plan								\blacksquare						1 1													
(1) Planning the training programs	Actual								+			1			0.0												After (re)organization of IWUO or Scheme Management	Periodical site visit by C/Ps and TF is necess
(2) Selection of target participants, training schedule and venue, etc.	Plan			+			Ш																	+			Committee in each scheme, target participants were identified.	the issue of allowance was resolved (July 2021) monitoring with Japanese experts and attendanc IWUO general assembly meetings, etc. have be gradually observed.
(3) Implementation of training of C/Ps	Plan																									4	 The physical discussion with C/Ps such as Acting Project Director, Project Manager and Project Implemente has been resumed in Jan, 2021. Training on IWUO Management Model was given for C/P and TF members in Nov. 2021. 	Since the issue of allowance was resolved (J
. To draft IWUO management improvement manuals	Plan Actual															11111											 The draft manuals were prepared through discussions with C/Ps. 	
(1) Formulating draft of the manuals	Plan																										Manuals for (1) IWUO Strengthening Training, (2) Financial Management Training and (3) Monitoring and Evaluation Training have been drafted and translated. Training material for lower level IWUO structure including Cooperative has been prepared. Sensitization of irrigation system to the beneficiaries targeting both IWUO and Cooperative is necessary.	
	Plan					+++										++							++				The shared draft manual is being used for training of	
Discussion with C/Ps regarding the draft of the manuals	Actual																	Ш							4		IWUO, but proper discussion with C/Ps was not yet conducted.	
To conduct IWUO training by C/P trainers in the model sites	Plan Actual									111	111				8 8	HIST	8 8 8	1111		1111	0 1 1 0							
(1) Reorganization/formation of IWUO	Plan													-													First and Second Phase. Nglry scheme was planned to be integrated with the downstream Nyiramageni scheme, however due to demarcation with other projects, it was cancelled. Thus, Nglryi IWUO was organized again in Sep. and Oct. 2021. All the IWUOs or SMC with Cooperative have been conducted the General Assembly (GA) meeting for their	There is a need to reconsider the general sche the Project due to the impact of COVID-19 and th involvement of TF members. COVID-19 has intermittently created obstacles conduct DISC meeting, organize the GA meeting, approval of Performance Agreement with Coopera The process of preparing the Rules and Interna Regulation seems to take a lot of time as it require workshops and discussions.
	Actual																										first time. The Project continues to support the holding of the GA meetings on a regular basis.	workships and udvestoris. To capacitate the organization, based on the the Project begun to securing the office both for IWUO and Nyabuyogera Cooperative.
2) Planning the training programs with C/Ps	Plan																										Based on the request from farmeres, training will be conducted in June or July 2022.	There is a need to reconsider the general softhe Project due to the impact of COVID-19 and involvement of TF members. There is a big demand on the training of fish and other source of income for IWUO especially Rwamagana model site.
(3) Selection of target participants, training schedule and venue	Plan																										Target participant of training for WUT/I/WUO sensitization will be both cooperative and I/WUO	<u> </u>
	Actual																										leaderships,	





tivities	Year		2019		2020		2020		- 12.7	2021			la el P	2022				2023			6.1	2023		202			Organization	Achievements	Issue & Countermeasures
Sub-Activities .	Month /	Apr. May Jun.	Jul. Aug Sep.C	Oct.Nov Dec	Jan Feb Mar.	Apr MayJun.	Jul. Aug.Sep	Oct.Nov Dec.	an Feb Mar Ap	r, May Jun. Jul	Aug Sep Oct	:Nov Dec Jar	n.Feb.Mar	c.MayJon, Ju	Aug Sep Oc	Nov Jec Jar	Pro Mar Apr	May Jun. Jul	Aug Sep Oct.	Nov Dec. Jan	Feb.Mar Apr	r.MayJun, Jul.	Aug.Sep.Oct.)	Nov Dec Jan. Fe	b Jap	an	GoR) • There is a need to reconsider the general schedule the Project due to the Impact of COVID-19 and the laci involvement of TF members. • In Rivernagana model site, cooperatives requested I same training and explanation of the Imrigation scheme be given to IVI/LO so that they understand what each leaders are responsible for the future. An additional
(4) Implementation of training with C/Ps	Actual																								. 13			season with Cooperatives. (In Rwamagana model site, IWUO has sligned it not only with Cooperatives, but also other water users mining company, fisheries and individu hillside farmers) > Community work (i.e. erosion control in Rwamagana model site)	conducted to harmonize the activity of IWUO.
5. To improve the draft manuals based on the implementation of tivity written as 2.5	Plan Actual													0000			MR U	1111	881111	1212	10 I U	TERR	1111	1118					
(1) Evaluating the result of the training (Phase 1, 2 and 3)	Plan																											that the manual of training need to be improved.	 The status of financial management by IWUO (such preparation of the financial statements) indicates that to training manual and implementation methods needs to dimproved.
	Actual																											in Jan. to Feb. 2022.	a improved.
(2) Revision of the draft manuals	Plan																												For the revision of the draft manuals for (1) IWUO Strengthening Training and (2) Financial Management Training, the training should be given again with prope instruction, as the understanding level of both trainees and trainer is still low. Manuals for (3) M&E is not yet completed.
	Actual																												Participation of C/P and TF is still low.
(3) Discussion with C/Ps regarding the improved manuals	Plan Actual								1 1 1 1								3							1 198					
7.To set up monitoring and evaluation system for IWUO managemen	Plan Actual											1 1																	
(1) Setting the monitoring and evaluation system (index)	Plan											1 1																 In Rwamagana District, a technical team, including District Engineer, Sector Agronomist, both IN/UO and Coop, leaderships, has been set to monitor/solve the issue of water distribution, agricultural activities, etc. 	
(2) Planning the target of M&E	Plan Actual															198													
(3) Prepare the schedule of implementation	Plan Actual							5. D	11111																				
8. To implement monitoring and evaluation on relevant activities	Plan Actual											1000					1001.11	11111	100	1111	000 0 0 1	1111		11120					
(1) implementation of monitoring and evaluation	Plan Actual																											In Rwamagana model site, from Nov. to Dec. 2021, issues on water distribution were raised by the cooperatives, and seriously discussed among all stakeholders (District, RAB, Union and cooperatives). A technical team was formed at District to monitor the situation and to consider the responsibility of each stakeholder, in Feb. 2022, the first monitoring meeting was held. DISC meeting was held in Rwamagana District in Mar 2022. Extraordinary DISC meeting was held in Rwamagana District in Apr 2022.	Periodical site visit by C/Ps and TF is necessary. Si the issue of allowance was resolved (July 2021), site monitoring with Japanese syperts and attendance at IWUO GA meetings, etc. have been gradually observe However, the involvement is still low and slow.
(2) Summarization of the M&E result	Plan Actual																100 11	1111		1011		3831	9(1)1	III III					
ut 3: Operation and maintenance are properly implemented in	the model site	s.																						111	r			I The David Market Land Control of the Control of t	
To analyze the current situation in order to identify problems of eration and maintenance (O&M) through baseline survey	Plan Actual																											 The Project implemented basic information collection from the commencement of the Project and baseline survey from Jun. to Sep. 2019. 	
(1) Setting baseline survey items regarding O&M	Plan Actual																											Baseline survey items have been prepared.	(<u></u>
(2) Planning and implementation of baseline survey	Plan Actual																											 Baseline survey has been planned and completed by July. 	
(3) Analyze the result of baseline survey and identify the current problems	Plan Actual				17.17	111																						Data analysis was advanced with partial results.	
2 To elaborate the draft improvement plan of O&M in the model sites sed on the activity as written 3,1	Plan Actual															11/2												The concept of Improvement Plan/Training Plan was shared with TF members through workshops and the 2nd TF meeting in Aug. 2019.	
(1) Holding workshops on the identified problems	Plan Actual																											The project held a workshop in each targeted district including all outputs in August and December.	
(2) Formulating the draft of the improvement plan through the	Plan																1											 The concept of Improvement Plan was presented in the workshop in each district and the 2nd TF meeting in August. 	
workshops	Actual	10																										 Ideas of work items in Phase 1 and training item for draft Improvement Plan are being prepared. 	
(3) Approval of the draft improvement plan at JCC meeting	Plan Actual																											 The concept of the draft improvement plan was approved at JCC meeting. 	
3. To train C/Ps as trainers based on the improvement plan of O&M	Plan Actual											1 1 1		1 1 1	1 4 1					5 2 3								 The draft manuals were prepared through discussion with C/Ps. 	
(1) Planning the training programs	Plan Actual														0 0 0													Training programs are being prepared.	
(2) Selection of target participants, training schedule and venue, etc.	Plan Actual							+									1						1 1					 Selection of target participants is being prepared. 	
	Pian		-											-	1111			-										Training programs are being implemented.	





ctivities	Year		201			2020		2020				021				202	22				2023				20	23		2024	Responsible Organization		The second secon
Sub-Activities Sub-Activities	Month	Apr. May J	un. Jul. Aug	Sep Oct. No	V Dec Jan F	eb Mar Apr.	May Jun. Jul	Aug Sep C	oct Nov Dec	Jan Feb Me	Apr. May Ju	Jul. Aug S	ep Oct Nov	Dec Jan Fe	Mar April	Mayuun .	Jul Aug Ses	Oct Novo	ec. en,Feb	Mar Apr. Me	ay Jun. Jul. A	Aug Sep Oct.	lov Dec.Jar	n.Feb.Mar	Apr. May Jun	Jul. Aug Se	p Oct. Nov De			Achievements	Issue & Countermeasures
6. To implement monitoring and evaluation on relevant activities	Plan		11																											 For above-mentioned pre-training, M/E indicators were prepared by applying Kirkpatrick method. After implementing M/E in the pre-training, the results were 	
(1) Setting evaluation index	Actual		+									H		Щ		4				-			-			to l		\blacksquare		shared and discussed with C/Ps.	
	Actual Plan								-																					Ditto	
(2) Planning monitoring and evaluation (3) Implementation of monitoring and evaluation on relevant	Actual		-					Ш	1							\blacksquare														Ditto	
activities	Actual		11											111	10															Ditto	
ation / Phasing	Plan	Fire	t Phase:	Survey/P	lanning P	hase					Second	Phase: T	echnical (Suldance	Phase						Third Ph	nase; Insti	tutionaliz	zation an	d Extensi	on Prepar	ration Pha	54	First Phase finished and Second Phase started one month ahead of the schedule.	The planned activities in 2020 had some difficulties on operation due to the COVID-19 pandemic.	An one-year extension of the Second Phase was agreed during the 6th JCC meeting.
	Actual	First	Phase: 5	iurvey/Pla	nning Ph	150			Sec	ond Phas	: Technic	al Guidar	ce Phase																		
itoring Plan	Year		201			2020		2020				021		1		202					2023					23		2024	Remarks	Achievements	Issue & Countermeasures
ALCO TO THE RESERVE OF THE PERSON OF THE PER		Apr. May J	in, Jul, Aug	Sep Oct.No	vDec Jan F	eb Mar Apr	May Jun. Jul.	Aug Sep O	ct Nov Dec	Jan Feb Ma	Apr. May Jur	Jul. Aug S							_	_						Jul. Aug Se	p Oct, Nov De	c Jan Feb	b	Achievements	issue & Countermeasures
itoring	/		-									H																			
ioint Coordinating Committee	Plan																												In the First Phase, 1st and 2nd JCC meetings were organized. In the Second Phase, 3rd, 4th, 5th and 6th JCC meetings were organized.	Gisagara district was selected as one of the three model areas at the 1st JCC meeting. Based on the result of the 1st JCC meeting and the subsequent discussion, RGB shall be an observer of JCC	In the 4th JCC meeting, the proposed amendmer Project Indicators were approved. In the 6th JCC meeting, an one-year extension of Technical Guidance Phase was proposed and agree.
	Actual								6																					The 7th JCC meetings was organized on 27 May 2022.	the JCC members.
et-up the Detailed Plan of Operation	Plan														100														approved at the 1st JCC.	Detailed PO for the extended Second Phase and Third Phase was prepared and was approved at the 7th JCC in	
	Actual								1																				 Detailed PO for the Second Phase was approved at the 3rd JCC. 	27 May 2022.	
ask Force Meeting	Plan																												In the First Phase, 1st to 4th TF meetings were organized. In the Second Phase, 5th to 12th TF meetings were organized.	In addition to the online study tours of the target irrigation schemes. TF members have requested to participate in the actual study tours. In order to strengthen ownership of each TF member to actively conduct their responsibility, the 10th to 12th TF.	
	Actual																													meetings have been arranged rotationally at each target district together with site visit to the model sites, The 13th and 14th TF meeting were held.	
ubmission of Monitoring Sheet	Plan																												JCC members confirmed the project outputs and activities at the JCC meetings. In the First Phase, Monitoring Sheet #01 and #02 wer finalized.	Monitoring Sheet #07 was made and it will be presented at 8th JCC in November 2022.	
	Actual										. -																		 In the Second Phase, Monitoring Sheet #03, #04, #05 and #06 were finalized. 		
onitoring Mission from Japan	Plan	1																											The mid-term monitoring was conducted by the JICA mission from 4th to 13th November 2021, and several		
•	Actual																												recommendations were made to the 6th JCC meeting.		
nt Monitoring	Plan Actual																											H	JCC members conducted monitoring of the Project based on the Monitoring Sheets.		÷
st Monitoring	Plan Actual		H			+			H					+						1									in 2028 (3 years after the termination)		
rts/Documents																				11			-					++			
ogress Report	Plan												4																1st Progress Report was submitted to the concerned organizations at the end of the First Phase. 2nd Progress Reports will be submitted to the concerned organizations at the end of the extended		
	Actual																												Second Phase in April 2023.		
oject Completion Report	Plan Actual	-	-				+		++			-				+	+-			-			1			-		1			
ic Relations				5												+				1		+++	++		+	+					
	Plan																			1		111				11					
	Actual																100														
	Plan					+										II							11/11								
	Actual		1																I										1		



Progress Summary of Improvement Plan / Training Plan (Agreed Plans)

As of 31st October 2022

S/N	Agreed Plans	Output	Pri	ority for	model	sites	Contents of activity / training	Details		Progre	ss		Target
1			N22	Rw	Nr	Nb			N22	RW	Nr	Nb	
2-1	0	2	M	M.	М	М	Understanding the scheme	[Step 1] Undertake preliminary survey and define the scheme service area	Phase 1: completed	Phase 1: completed	Apr 2020: completed	Apr 2020: completed *supplemental survey is ongoing	IWUO members
2-2	0	2	м	М	М	М	Database organization	[Step 2] Database preparation and organizing the management structure	Phase 1: preparation of basic scheme information 15-26 Jun 2020: completed	Phase 1: completed	Apr 2020: preparation of basic scheme information	Apr 2020: Completed *supplemental survey is ongoing	IWUO members
2-3	0	2	н	н	н	н	Reorganization of IWUO and election of leaders	[Step 2] Database preparation and organizing the management structure	Phase 1: preparation of organization structure 15 Jun 2020: completed	2-16 Jul 2020: completed	Aug 2020: Completed (reorganization of Ngiryi and Nyiramageni was separately done) Nov 2020: Overall IWUO was established by combining two schemes (Ngiryi and Nyiramageni) Jul 2021: Merging with two schemes into one IWUO was cancelled for the demarcation with another project in Nyiramageni. Aug 2021: re-election of IWUO members were supported.		IWUO members
2-4	0	2	M	M	м	м	Explanation of scheme layout to IWUO	[Step 3] Conduct initial training and explain the scheme layout and how IWUO is organized	19-30 Jun 2020; completed	2-16 Jul 2020: completed			IWUO members
2-5	O	2	н	н	н	н	Establishment of Internal Regulation	[Step 4] Prepare the Rules and Internal Regulations (by-law) Prepare role and responsibility of stakeholders (Step 5] Hold general meeting for approval of the Rules and Internal Regulations and Action Plan Prepare future Action Plan	regulations for hillside 10 Aug 2020: trial leadership training Sep 2021: discussion with IWUO leadership for organizing GA meeting	11 Aug 2020: trial leadership training Oct 2020: preparation of the Performance Contract Agreement, the first IWUO and Coop. meeting 12 Nov 2020: General Assembly meeting to approve the Internal regulations 31 Dec 2020: Performance Contract Agreement was signed. Sep 2021: discussion with IWUO leadership for organizing	Dec 2020 - Jan 2021: preparation of draft internal regulations 17, 18 Feb 2021: General Assembly meeting about merging two IWUOs (Ngiryl and Nyiramageni) Jul 2020: Draft internal regulation is being prepared focusing only Ngiryl scheme. Sep 2021: discussion with IWUO leadership for organizing GA meeting Mar 2022: GA meeting preparation is undergoing. Apr 2022: Rehabilitation of IWUO office is at 90%.	Dec 2020 - Jan 2021: preparation of draft internal regulations Aug 2021: General Assembly meeting was planned, but postponed due to COVID-19. Sep 2021: discussion with SMC and Cooperative leadership for organizing GA meeting Mar 2022: GA meeting of the cooperative was conducted.	IWUO members
2-6	0	2	H	н	H	н	Strengthening of IWUO	[Step 6] • Capacity development on Leadership • Promotion of participation • Transparency and accountability • Conflict management • Preparation of Action Plan	scheme features and roles and responsibility of WUT including cooperative leaderships for Ngoma Feb 2022: A solar power was set at the office of IWUO and Kotungu cooperative. A simple training on the Excel was given to a Kotungo accountant to identify members who pays and not pay for water fee.	June 2021: DISC meeting was conducted and IWUO present its activity, financial report and action plan of IWUO. Preparation of special training to WUT (Sensitization on Responsibility of WUT leadership), it is being translated into Kinyarwanda. 29 Oct: General Assembly was held. Executive Committee presented the IWUO activities and Audit Committee presented the IWUO, etc. Nov 2021: Training for lower level IWUO on responsibility of WUT leaders were given. The lower level coperative were leaders also included in the training. Dec 2021: Evaluation of water distribition problem was conducted, and the problem was discussed among all stakeholders at District, RAB, Union and Coop. Feb 2022: A solar panel was installed at the IWUO office to help smooth the activity. / IWUO executive committee decided to make annoucement to hire its own FC (future manager) so that they can share the salary with WAHCAB. Mar 2022: Preparation of the GA meeting is undergoing. 1 Apr 2022: IVUO GA meeting was organized. June 2022: Discussion is made on adjustment of water fee for OMM of the scheme. Diction is not yet made. Training on office managment is conducted	was continued. IWUO executive committee held a meeting to aprove the covering the labor cost for the rehabilitation of the office. 23 Mar 2022: IWUO GA meeting was organized. Activation of Lower level IWUO structure is initiated. Seasonal Water Distributors were identified and given the task of irrigating (water distribution) for each plots in the field. As initiative each farmers will give them one kg of rice per plot. This trial shall be applied to other model sites if successful	among zonal leaders of the scheme. Dec 2021: Rehabilitation of office provided by District is completed. The process of electrificsation is being processed. 29 Mar 2022: Cooperative GA meeting was organized.	IWUO members Cooperative



S/N	Agreed Plans	Output	Pric	ority for	model si	tes	Contents of activity / training	Details		Progre	ss		Target
	ridiis		N22	Rw	Nr		Financial Management	[Step 6]	N22 21-25 Sep 2020: financial management training	RW 16-20 Nov 2020: financial management training	Nr May-June 2021: The financial statement is being prepared	Nb . May-June 2021: The financial statement is being prepared	
2-7	0	2	н	н	н	н		Outline of financial management Establishment of the O&M fund Establishment of the O&M fee management mechanism	Contract Agreement to be signed between them Oct 2020: preparation of draft book-keeping format Apr-May 2021: The first financial statement is being prepared May 2021: Financial statement was prepared. A system of expense order is created to create a controlling mechanism of income and create a link with DISC (it has never been implemented) Jul 2021: Financial statement from Jan up to Jul 2021 is being prepared. Feb 2021: Executive committee meeting has decided to the cost sharing of the FC begining of April. They also	Oct 2021: Auditing of IWUO was done. Feb 2022: Collection of water fee from hilliside farmers is designed in such a way, the responsibility shall be given to volenteer farmers who shall recieve 10% of what is collected from the farmers. The trial shall be done starting from March 2022. Apr 2022: IWIO has started to hire its own manager (FC) by cost- sharing with WAMCAB (50% of each) through official recruitment procedures in collaboration with District and Cooperative. Apr 2022: RAB provided and released fish fingerings in three reservoirs for fish farming, which can be an additional income source of IWUO. Visit to Gacaca irrigation scheme for experience sharing, especially on raising the water fee rate where Gacaca pays 500RwF per are but Cyaruhogo pays only 200RwF per are. The experience of Gacaca IWUO and Cooperative giveth the leaders of Cyaruhogo	agreed during the GA of Nov 2021. Due to unexpected flood in the production of this season, they failed to pay from Jan 2022. Now the committee has agreed to start the cost sharing of FC from April 2022. WAMCAB helps IWUO to speed-up the aproval of expense order by Sector/District so that the rehabilitation of office	Feb 2021: Financial management training Jul 2021: Financial statement from Jan up to Jul 2021 is being prepared. Sep 2021: Short training given to FC on how to prepare financial statement using Excel. Oct 2021: Auditing of Coopeartive was done. Feb 2022: A meeting was done with the executive member to discuss about the failure to pay for FC half of his salary as agreed during GA meeting. With simple estimation on water fee collected and expected expenses in a year, we have found that the financial capacity of the scheme is unable to cover salary of any supporting staff. The main reason is that the water fee rate agreed by GA is so small (70RwF per are, one third of the minimum paid by other scheme) due to lack of any irrigation structure in the scheme that help in distribution or managment of water source. This shows that without properly designed and installed irrigation structure in the scheme that help achieve proper distribution or water to all farm land the beneficiaries are not willing to pay for water fee. Training on office managment is conducted	s
2-8	0	2	×	м	Ñ.		Monitoring and Evaluation Method by DISC & RAB	[Step 6] Role and function of M&E Establishment of M&E system Implementation of M&E		Jan 2022: In Rwamagana, a technical team was formed to monitor the activity of the IWUO and Cooperatives and to solve the issue of misunderstanding between the two. The team includes Sector Agronomist, District officials and leaders of the IWUO and Cooperatives. Feb 2022: The first technical team meeting was held and the activity progress agreed in Jan 2022 by each stakeholder were discussed. Very encouraging involvement from the District and other stakeholdres (Sector, Cooperative, etc.) can be seen. As part of monitoring excercise, technical meeting was conducted to check the progress of season preparation and problem occured during the previous season. District, Sector, Cooperative and IWUO participated DISCT meeting was held on September 2022 Manual for Participatory Monitoring and Evaluation of Irrigation Scheme is finalized to be applied by IWUO, District, RAB etc	monitoring and evaluation. DISCT meeting was held on September 2022. Manual for Participatory Monitoring and Evaluation of	Manual for Participatory Monitoring and Evaluation of	
2-9	0	2	н	н	н		Commencement of the scheme	[Step 7] Commencement of scheme • Prepare and provide O&M manual • Start the scheme operation and management activities • Establish the system of collection water fee and member fee • Prepare financial management system • Establish performance agreement between IWUO and cooperative or other water users	of IWUO, water fees from hillside farmers that are member of Kotungo cooperative were collected. A differnet method is being designed to collect the remaining water fees from non-member farmers. Feb 2022: The planned DISC meeting was postponed twice. There is a need to discuss the importance of DISC meeting with the District official in collaboration with C/P. Held SISC meeting to discuss the issue of IWUO with	Dec 2020: the operation of the scheme has began. Jan 2021: Discussion on financial management system is done. After Jan 2021: The involvement of other water users of the scheme such as mining, car wash and hillside irrigator is conducted. Scheme operation has already started, IWUO members are increasing by day. Other water users are registering and paying water fee according to the internal rules and regulations. Feb 2022: DISC meeting was held. A proposal to create coordinating committee is proposed by the District, but the detailed role and responsibility will be discussed in the future. Prepared financial statment and financial record as part of OJT to the Field Collaborator. Preparation of workshop to discuss about increasing water fee. 10year action plan of IWUO that will be the guide used in increasing the fee (Convincing method of Cooperatives and farmers). Technical advise in the preparation of gates in applying irrigation rotation. General assembly of the four cooperative was held, A new leadership is elected, A new Water fee rate is approved (Increase from 200 to 300RwF/are/season) The IWUO has hired additional 3 irrigator to support the Irrigation rotation of the system (a total of 10 support staffs hired by IWUO)	Broken intake structures are being fixed by IWUO own fund. Give advise to IWUO on New office arrangment. Technical advise in financial planning in rehabilitating an old weir. Prepared financial statment and financial record as part of OJT to the Field Collaborator. The general assembly has approved New water fee rate (from 200 to 400 RwF/are/season). The beneficiaries are eager to install new wier by	The organized Scheme Management Committee under the cooperative has began its activity related to scheme management. Apr-Jul 2021: Community mobilization for night storage has been conducted. Advising the IWUO to use its fund to construct additional night storage (Technical advise given). Prepared financial statment and financial record as. part of OJT to the Field Collaborator.	





S/N	Agreed Plans	Output		ority for I		Contents of activity / training	Details Progress					Target
2-10	0	2	H.	Rw H	H	Support in the registration of the organization and IMTA agreement		Jan 2021: Hillside database is being prepared, and performance agreement both with rice coop and horticulture coop for 2020-21B was signed. June 2021: Performance Agreement both with rice coop and horticulture coop for 2021A was signed. Jul 2021: Collaboration letter from the District is being prepared as registration process. Sep 2021: Collaboration letter from the District is collected and sent to RAB for Registration Process.	Rw June 2021: Performance Agreement with 4 coops for 2021A was signed. Jul 2021: Performance agreement with private hillside farmers has been signed. Jul 2021: Registration process has started, application is already made to RAB. Jul 2021: Document for the application of water permit is being processed. Mar 2022: All document for legal status is prepared and application is made at RGB.	Nr June 2021: Performance Agreement with rice coop for 2021A is being prepared. Sep 2021: Support for the Registration of IWUO is requested by the president and WAMCAB start to follow the status of the application at RDB.	Nb	
2-11		2		М		Construction of secondary canal in Rwamagana	Support for the construction of secondary canal in Rwamagana		Dec 2020: construction of the secondary canal by communit work is supported. Jan 2021: Follow-up on the correction of the slope of secondary canal made by the community was started. Part of the incomplete secondary canal (Due to the presence of old masonry structure that need to be removed) was conducted. The completion of the secondary canal shall be done by community work soon) Oct 2021: Completion and adjustment of secondary canal at unfinished location			IWUO members
2-12		2	М	М	М	Make TF understand How the lower level IWUO is formed	or .	4 Nov. 2021: Training on IWUO management mode was conducted for TF members.	Same as on the left	Same as on the left	Same as on the left	
2-13	0	2	М	М	м	To improve the draft manuals	Discussion and updating the manuals	Draft Manuals (IWUO strengthening, financial management and M&E) are prepared.	Same as on the left	Same as on the left	Same as on the left	
3&4-1	0	3,4	н	н	н	Establishment of implementation structure for O&M and water management at the scheme level	·To organize the O&M Team and Farmers' Repair Team ·To organize the Water Users Team	27-31 Jul 2020: basic civil work training, 10-12 Aug 2020: follow-up training	14-17, 21-24 Sep 2020: basic civil work training	14-18 Sep 2020: basic civil work training	20-24 Oct 2020: basic civil work training	Farmer's Repair Tear O&M Team
3&4-2	0	3,4	н	н	н	O&M and Water Management Basi Training	c -Sharing the basics and current issues of irrigation facility utilization -PIM (Participatory Irrigation Management) training -To promote activities of water management and O&M at block level -Study tour to good practice schemes	31 Aug-2 Sep 2020: water management training & hydrant repair training (3-6, 4-7) 25-26 April 2022: Sensitization workshop to lower level of local government on Operation and maintenance of irrigation facilities and its security in Ngoma 22 hillside	17-19, 24-26 May 2021: water management training for IWUO leaders was conducted. 31 May 2021: water management training for WUT leaders has been started.	31 August 2022: PIM training using draft manual	19 October 2022: PIM training using draft manual	Farmer's Repair Tea O&M Team
3-3	0	3,4	м	м	м	O&M Training 1 (lecture)	Basic training on O&M to foster the ownership	27-31 Jul 2020: basic civil work training, 10-12 Aug follow-up training	: 14-17, 21-24 Sep 2020: basic civil work training	14-18 Sep 2020: basic civil work training Aug 2021: 3 turnouts were repaired by IWUO with support from WAMCAB.	20-24 Oct 2020: basic civil work training	Farmer's Repair Tea O&M Team
3-4	0	3,4	×	м	M	Survey / inspection and analysis of current facility condition	f ·To prepare irrigation and drainage system map in the scheme ·To prepare facility location map ·Facility survey to grasp the current condition	Mar 2021: Draft map has been prepared Apr 2021: Facility Survey for pipeline was started in Ngoma22 Nov. 2021: Facility inspection for repair work was conducted May 2022: Facility inspection was conducted for secondary pipeline and Hydrants	Mar 2021: Draft map has been prepared 14-16 September 2022: Facility inspection training using draft manual	Nov 2021: Facility map in Ngiryi was prepared 11-20 Nov 2020: Trial of Facility check was conducted by WAMACAB engineer 15-16 Mar 2021: Facility check was conducted in Nyiramageni. 3 August 2022: Facility inspection training using draft manual	Mar 2021: Draft map has been prepared Oct 2021: Function of weir was tested. Nov. 2021: Inspection of flood damage was conducted	
3-5	0	3,4	M	М	М	O&M Training 2 (lecture)	To prepare the annual O&M plan of IWUO To evaluate and consider the appropriate water fee setting	Feb. 2022: training for formulation of O&M plan was conducted to TF members. May 2022:Workshop for draft manual for T/F member and FC was held	Feb. 2022: training for formulation of O&M plan was conducted to TF members. May 2022:Workshop for draft manual for T/F member and FC was held 29-30 September 2022: O&M plan forumulation training using draft manual	conducted to TF members. May 2022:Workshop for draft manual for T/F member and FC was held	Feb. 2022: training for formulation of O&M plan was conducted to TF members. May 2022:Workshop for draft manual for T/F member and FC was held 13-14 October 2022: O&M plan forumulation training using draft manual	
3-6	0	3,4	ю	м	М	O&M Training 3 (field practice) Basic / Advanced level	Basic civil work (masonry, plain concrete) Advanced civil work (Reinforced concrete) Participatory simple maintenance and cleaning activity Countermeasures against soil erosion Maintenance of hydrants/pipe/valve Demonstration on typical facility maintenance Farm road repair	27-31 Jul 2020: basic civil work training, 10-12 Aug 2020: follow-up training 31 Aug-2 Sep 2020: water management training & hydrant repair training (Common 2, 4-7) 28 Sep-2 Oct 2020: farm road repair training in collaboration with Core Rwanda Sep 2021: Water management training & hydrant repair training Nov. 2021: Countermeasure for for Slope collapse was conducted. 27, 29 Apr 2022:Training on installation of valves for secondary canal in Ngoma 22 hillside	14-17, 21-24 Sep 2020: basic civil work training 22-27 Feb 2021: Advanced civil work training 1-12 Mar 2021: Road repair training including prevention of erosion 19-23 Jul 2021: Canal repair work was conducted. 20 Apr 2022: Establishment of road drainage by community work in Cyimpima scheme. On July 23 the esteblishment of weir at Cyaruhogio scheme is commenced through the participation of O&M team (as	14-18 Sep 2020: basic civil work training 27-30 Oct 2020: farm road repair training 11 Dec 2020: Field visit with Musha sector agronomist 23 Dec 2020: Field practice for maintaining	20-24 Oct 2020: basic civil work training 14 Dec 2020: Field visit to confirm the situation 24 Dec 2020: Field practice for maintaining main canal Sep 2021: farm road repair training Nov. 2021: Rehabilitation of irrigation canal was conducted Jan. 2022: Advanced civil work training was conducted for repair work of canal crossing drain.	Farmer's Repair Tean O&M Team



S/N	Agreed Plans	Output	Pric	rity for mo	del site	Contents of activity / training	Details	Progress					
	Plans		N22	Rw I	(r r	Nb		N22	Rw	Nr	Nb		
4-7	0	3,4	н	М	ч	Water management training 1 (lecture)	Lectures on efficient water use and irrigation methods mainly for hillside irrigation	31 Aug-2 Sep 2020: water management training 8 hydrant repair training (Common 2, 3-6) Apr 2021: Three tensiometers were installed at demo plot in Ngoma 22.					
4-8	0	3,4	М	М	м	Water management training 2 (lecture / field practice)	- Lectures on efficient water use and irrigation methods - Monitoring of the amount of available water resources and water use - Water management at the time of drought - Measurement of discharge and water level at dam reservoir - Rainfall observation by using simple rain gauge - Measurement of water consumption rate in paddy field	Jan 2021: Simple rain gauge was procured and it w be installed for each dams soon.	III 17-19, 24-26 May: water management training for IWUO leaders (O&M Team and Farmers' repair team) was conducted. 31 May-3 Jun: Water Management training for WUT leaders has been started. Jan 2021: Simple rain gauge was procured and it will be installed for each dams soon. Apr 2021: Measurement trial was started at demo plot.	Apr 2021 Measurement trial was started at demo plot	Feb 2020: Measurement of rainfall and spring discharge has been started.		
4-9	0	3,4	н	н	н:	Water management training 3 (lecture / field practice)	On-farm water management and water use mainly for hillside irrigation - Appropriate irrigation using soil moisture monitoring data - Trial of treadle pump - Trial installation of shallow well for dry season - (Trial of foot pump) - (To install water storage)	Jan 2021: Four tensiometers were procured. Apr 2021: Three tensiometers were installed and th measurement of soil moisture has been started. Oct 2021: Explanation of demo plot was done to O&M team and FRT	9 Nov-4 Dec 2020: Secondary canal creation e 29-30 Dec 2021: Explanation and practice for on-farm wate managemnet	11-20 Dec 2020: Field practice for installing r secondary canal 30 Dec 2021: Explanation and practice for on-farm water management 2 September: On-farm water management training using draft manual			
4-10	0	3,4	М	M	y	Field practice of on-farm level water-saving irrigation	On-farm water management and water use mainly for marshland irrigation Land levelling of the plot Maintenance of levee at the leakage point and improvement of ridge preparation method Installation of on-farm drainage (improvement of drainage condition) Trial of water saving method for paddy rice (AWD: Alternate Wetting and Dryling) Adjustment of irrigation according to the growing stage To promote the installation of secondary/tertiary canal		14-16 Dec: Preparation for hand leveler and AWD tube Oct 2021: Training for water saving irrigation	14-16 Dec: Preparation for hand leveler and AWD tube Feb: Monitoring of the progress Oct 2021: Training for water saving irrigation Jul 2022: Technical assistance for establishment of on-farm canal and appointment of SWDs			
4-11	0	3,4	н	н	н	Water management training 4 (lecture / field practice)	To prepare annual water distribution plan To evaluate and consider the appropriate water fee setting	Feb. 2022: training for formulation of water distribution plan was conducted to TF members. May 2022:Workshop for draft manual for T/F member and FC was held	Jan. 2022: training for formulation of water distribution plan was conducted. Feb. 2022: training for formulation of water distribution plan was conducted to TF members. May 2022:Workshop for draft manual for T/F member and FC was held	distribution plan was conducted to TF members.	Feb. 2022: training for formulation of water distribution plan was conducted to TF members. May 2022:Workshop for draft manual for T/F member and FC was held 20 October: Training for fair water distribution was conducted using draft manual		
3&4-12	0	3,4	н	н	н	Monitoring & Feedback	Monitoring and feedback on the implementation of the O&M plan (3-5) and water distribution plan (4-11)						
3-a	V V	3,4	yes	yes y	es y	Others	Support for the development/ rehabilitation plan of irrigation scheme, incorporating an O&M perspective from the planning stage						
3-b		3,4	н	н	н	Daily technical guidance on O&M 1	Facility O&M		7-24 Dec 2020: Handover stop log Apr 2021: Trial for improving stop log was practiced.				
3-с		3,4	н	н	н	Daily technical guidance on O&M 2	Practice of O&M along the plan (3-5)						
3-d		3,4	Yes		/	Repair/rehabilitation work	Dredging of Chinese old dam at Mwanbu and utilization of borrow materials					Farmer's Repair Team O&M Team	
3-е		3,4	/	н	1	Construction	Intake structure at Cyaruhogo scheme Night Reservoir at Nyabuyogera scheme				Apr-Jul 2021: complementary lining work is on going. Aug-Sep 2021: supplemental correction work is ongoing.		
4-f		3,4			М	Daily technical guidance on water management 1	Installation and operation of intake structure						
4-g		3,4	н	н	н	H Daily technical guidance on water management 2	Practice of water distribution along the plan (4-11)						





S/N	Agreed Plans	Output	Pric	ority for	for model sites Contents of activity / training		Contents of activity / training	Details	Progress					
	rians		N22	Rw	Nr	Nb			N22	Rw	Nr	Nb	Target	
5-1	0	5	н	н	н	н	Establishment and reinforcement of Cooperative organizational structure	f To establish the implementation structure for farm management at scheme leve	el 18-21, 24-29 Aug 2020: Reorganization of hilliside cooperative & preparation of internal regulation Jul 2021: Cooperative has started hiring an accountant.	Well organized	Well organized	Sep 2020: Reorganization of cooperative & preparation of internal regulation	Cooperative	
5-2		5	М	L	L	М	Soil improvement	Conducting soil analysis in the schemes Compost training	Jul-Aug 2020: compost training & follow-up Apr 2021: compost training	Jul-Aug 2020: compost training & follow-up	Jul-Aug 2020: compost training & follow-up	Apr 2021: compost training & follow-up	Cooperative	
5-3	0	5	н	н	H	н	Profitability analysis	To analyze the profitability of each crop based on production record and BLS	Sep 2020: Preparation of documents	Sep 2020: Preparation of documents	Sep 2020: Preparation of documents	Sep 2020: Preparation of documents		
5-4		5	н	м	М	н	Relationship with IWUO	Consideration of performance contract with IWUO	3 Jan 2022: Performance Contract Agreement was signed.	31 Dec 2020: Performance Contract Agreement was signed				
5-5	0	5	н	н	Н	н	Coop management training	Training on strengthening Coop management, gender main streaming, and accounting	17-18 Nov 2020: coop management and gender mainstreaming training 14-15 Feb 2022: coop management and gender mainstreaming training (with partner, invited woma trainer)	9-12 Nov 2020: coop management and gender mainstreaming training 13-17 Dec 2021: coop management and gender n mainstreaming training	5-6 Nov 2020: coop management and gender mainstreaming training 23-24 Feb 2022: coop management and gender mainstreaming training (with partner, invited woman trainer)	22-23 Oct 2020: coop management and gender mainstreaming training 9-10 Aug 2021: Workshop on rules and internal regulations 23-24 Nov 2021: coop management and gender mainstreaming training 22-23 Aug 2022: coop management and gender mainstreaming training for new executive committee and audit committee and audit committee 1-2 September: coop management and gender mainstreaming training for new FPG leaders	Cooperative	
-6		5	М	М	М	м	Coop management training	Study tour to good practice cooperatives	31 Jul 2020: study tour to Nasho irrigation scheme is Kirehe District to learn about contract farming	n		30-31 Aug 2021: study tour to Ngoma22 irrigation scheme to learn about contract farming in cooperation with C/Ps	IWUO members Cooperative	
-7	0	5	н	L	L	н	Marketing training	→Training on marketing and market-oriented agriculture →Training on market research and analysis	9-10 Dec 2020: Marketing 22-23 June 2022: Market survey and intervewing companies/investors in Kigali by cooperative 8-9 July 2022: Intervewing companies and have linkage between companies and cooperative in Agrishow	7 May 2021: rice variety workshop (visit to Indatwa Kayonz coop)	a 2 Dec 2020: rice variety workshop (visit to RAB demo farm)	25-26 Nov 2020: Marketing training		
5-8	0	5	Н	н	н	н	Marketing training	→Selection of crop/variety based on the analysis of profitability, making crop calendar	Jan 2021: Done with cooperative 22 Sep 2021: Making crop calendar 24-25 Aug 2022 : SHEP WS (TOT)	7 May 2021: Selection of the varieties 17-18 Aug 2022 : SHEP WS (ToT)	2 Dec 2020: Selection of the varieties 11-12 Aug 2022 : SHEP WS (ToT)	Jan 2021: Done with cooperative 24 Sep 2021: Making crop calendar 11-12 Aug 2022: SHEP WS (ToT)		
j-9		5	L	L	L	L	Rice cultivation and Horticulture training	Management of demonstration plots in the schemes		From Dec 2020	From Dec 2020			
-10	0	5		М	М	/	Rice Cultivation training 1 (FFS)	→1: Field training on nursery sowing practice and soil improvement		11, 14-16 Dec 2020: sowing and nursery preparation 7-8 Jul 2021: sowing and nursery preparation 11 Jan 2022: Nursery preparation and sowing	29-31 Dec 2020: sowing and nursery preparation 29-30 Jun 2021: sowing and nursery preparation (second time)			
-11	0	5		М	м	/	Rice Cultivation training 2 (FFS)	→2: Field training on transplanting		19-22 Jan 2021: Land leveling and transplanting training (only for land owner due to covid-19 prevention) 4-5 Aug 2021: training on transplanting 4 Feb 2022: training on land leveling and transplanting 27-30 June 2022: training on land preparation for beginners who started cultivation of paddy rice	4-8 Jan 2021: Land leveling and transplanting training (only for land owner due to covid-19 prevention) 26-30 Jul 2021: Land leveling and transplanting			
-12	0	5		М	М		Rice Cultivation training 3 (FFS)	→3: Field training on fertilization and pest control	30 Nov 2021 : Disease and pest control	18-19 Feb 2021: Field training on fertilization and pest control 24 Mar 2021: 2nd Top dressing 8-9 Sep 2021: Training on top dressing and weeding 22-Oct 2021: Training on 2nd topdressing 16-17 May 2022: Training on disease and pest control by TF member	2-Feb 2021: Field training on fertilization and pest control 18-19 Aug 2021: Training on top dressing and weeding 19-20 May 2022: Training on disease and pest control by TF member			
-13	0	5		м	М	/	Rice Cultivation training 4 (FFS)	→4: Field training on harvesting and post-harvesting		25-26 May 2021: Harvesting	5 May 2021: Harvesting 13 Dec 2021: Harvesting			
-14	0	5	М			М	Horticulture training 1 (FFS)	→1: Field training on seed sowing and seedling preparation	10 Feb 2021: sowing and nursery preparation 28 Sep 2021: sowing maize and chia seed and nursery of tomato, cabbage and beetroot			4 Feb 2021: sowing and nursery preparation 29-30 Sep 2021: sowing preparation of maize and chia seed 22 Mar 2022: sowing soybean and applying rhizobium 23 Sep 2022: spacing and fertilizer application of maize		



S/N	Agreed Plans	Output	Prior	ority for model sites		Contents of activity / training	Ing Details Progress					Target
	Plans	-	N22	Rw Nr Nb			N22	RW	Nr	Nb		
5-15	0	5	М		M	Horticulture training 2 (FFS)	→2: Field training on transplanting and land preparation	6 Apr 2021: transplanting and land preparation 3 Nov 2021: Transplanting and top dressing			1 Apr 2021: transplanting/sowing and land preparation 23-24 Jun 2021: Planting for irish potato	
5-16	0	5	М	1	м	Horticulture training 3 (FFS)	→Field training on fertilization, rice husk charcoal and compost making	6 May 2021: weeding and fertilization 13 May 2021: compost making.			14-23 Apr 2021: compost making for all zones, 22 Apr 2021: fertilization	
5-17	0	5	М		м	Horticulture training 4 (FFS)	→4: Training on pest control and IPM	30 Nov 2021: Diseases and pest control		·	21 Jun 2021: Making organic pesticide for chili	
5-18	0	5	М		м	Horticulture training 5 (FFS)	→5: Field training on harvesting and post-harvesting	29 Jun 2021: Harvesting for green pepper 17 Jan 2022 : Harvesting and post-harvest			1-Oct 2021; harvesting irish potato	
5-19		5	L	L	L L	Horticulture training 6 (FFS)	Field training on farm machine and tools (winnower, planting machine, etc.)		23 Apr 2021: Repair work of damaged winnower machine of cooperatives with technicians. (20 machines are repaired)			
5-20	0	5		L	м /	Field training on field-level water- saving paddy irrigation	Training on water management at on-farm level		Feb 2021: preparation of training	eb 2021: preparation of training		N
5-21	0	5	М	//	м	Field training on field-level water- saving upland irrigation	Training on water management at on-farm level	Feb 2021: preparation of training			Feb 2021: preparation of training	
5-22		5	М	М	м	Knowledge Co-Creation Program in the third country	Knowledge Co-Creation Program regarding farming (SHEP, CARD) in the third country	9-27 May: TF member participated "Market- Oriented Agriculture Promotion (Planning and Management)(A)" as an observer and prepared action plan.		•		
5-23		5	L	L	L L	Improvement of nutrition	Improvement of nutrition through farming package	Jul 2021: Field survey Jan 2022 : Dietary Diversity Survey			Jul 2021: Field survey Jan 2022 : Dietary Diversity Survey	
5-24		5	м	М	мм	Post-harvest training	→Training on post-harvesting, collecting and shipment					
5-25	7	5	М	м	м м	Post-harvest training	→Training on operation and maintenance of agricultural facility (Drying yard, storage, etc.)					
5-26		5	L		//	Post-harvest training	→Training on operation and maintenance of cold storage					
5-27		5	М		1	Marketing training (option)	Introduction of contract farming and certificates	July-Aug 2020: consultation contract farming with cooperatives and private companies Sep 2020-Feb 2021: Consultation farming of chia seed and chill 26 May 2022: Interviewing quinoa company			July 2021: consultation contract farming with cooperative and private company. 30-31 Aug 2021: Study Tour to Ngoma 22 Sep 2021: consultation of making contract	Cooperative
5-28		5	М	L	L M	Coop management training (option)	Introduction of credit services for commercial farming					
5-29		5		L	L /	Marketing training (option)	Trial introduction of parboiling technique			¥		





TO CR of JICA RWANDA OFFICE

PROJECT MONITORING SHEET

Project Title: Project for Water Management and Capacity Building (WAMCAB)

Version of the Sheet: Ver.9 (Term: November 2023 - April 2024)

[Japanese side] Name: Norio KUNIYASU

Title: Chief Advisor / Irrigation Policy

[Rwandan side] Name: Jerôme HITAYEZU

Title: Project Manager

Submission Date: 30th June 2024

I. Summary

1 Progress

1-1 Progress of Inputs

Japanese side

- Technical inputs remotely and physically provided by the experts: (1) Chief Advisor / Irrigation Policy, (2) Deputy Chief Advisor / Irrigation Policy, (3) IWUO Management,
 - (4) Water Management / O&M, (5) Water Management / O&M / Capacity Development.
 - (6) Farm Management, (7) 2 Coordinators / Training, (8) Support for IMT Promotion,
 - (9) Nutrition-sensitive Farm Management, (10) Irrigation Strategy Plan
- Eight Local Experts (National Staff: NS): (1) Local Coordinator / IWUO Officer, (2) 2 Irrigation Engineers, (3) 2 Agronomists, (4) Assistant IWUO Officer, (5) Coordinator of Field Collaborators, and (6) Logistic / Monitoring and Evaluation
- Five Field Collaborators (FCs) in each model site of Ngoma, Rwamagana and Gisagara, who will be hired by the IWUOs/Cooperatives in the future as a manager and/or supporting staff
- A part of local operation cost for counterparts (C/Ps) and Task Force (TF) members who participate in the TF meeting, project training, study tour, evaluation, etc. until the end of Fiscal Year (FY) 2023/2024 (from July 2023 to June 2024)
- Local operation cost (transportation fees) to the farmers who participate in the project training, study tour, etc. until the end of FY 2022/2023.

Rwandan side

- Assignment of C/Ps: (1) Project Director, (2) Deputy Project Director, (3) Project Manager, (4) Chief Implementer, (5) TF members at central, station and district level.
- Project office at RAB HQs in Rubona / Huye and a temporal office at SPIU/MINAGRI