

**Attachment-5 Environmental Monitoring Form/ Social Monitoring Form**

**A. Environmental Monitoring Form**

Environmental Monitoring will be commenced from the construction stage.

**B. Social Monitoring Form**

Social monitoring form in March 2019 (from December 2018 to March 2019) is referred to the following pages.

## Environmental Monitoring Form

### Construction Phase

#### 1. Response/Action to Comments and Guidance from Government Authorities and the Public

Monitoring Item	Monitoring Results during Report Period
No. and contents of formal comments made by the public	
No. and contents of responses from Gov. authorities	

#### 2. Pollution

##### Air Quality

Item	Unit	Measured Value	Project Standard	Reference Standard	Measurement Point	Frequency
Dust (PM10) (instrument)	µg/m <sup>3</sup>		100 <sup>*1</sup>	50 <sup>*2</sup>	Near the construction site facing residential area	When heavy machine operating
Visual inspection (qualitative)		Monitoring result			Where heavy machine operating	

\*1: Ugandan air quality standards for ambient air.

\*2: WHO's guidelines value for ambient (outdoor) air quality and health.

##### Water Quality

Item	Unit	Measured Value	Baseline Result	Project Standard	Measurement Point	Frequency
<b>Quantitative Analysis</b>						
pH	-		6.88 <sup>*1</sup>	6.5-8.5 <sup>*2</sup>	2 points: 1) Upstream of headwork to be constructed 2) After drainage canal to be constructed	Monthly (except TN & TP), Biannually (TN & TP)
DO	mg/L		4.5 <sup>*1</sup>	above 4.5 <sup>*1</sup>		
BOD	mg/L		17.5 <sup>*1</sup>	17.5 <sup>*1</sup>		
TN	mg/L		11.3 <sup>*1</sup>	11.3 <sup>*1</sup>		
TP	mg/L		1.0 <sup>*1</sup>	1.0 <sup>*1</sup>		
<b>Qualitative Analysis</b>						
Item		Monitoring result				
Turbidity	-			-		
Oil	-			-		

\*1: Maximum values obtained by baseline survey.

\*2: Japan's environmental standards for type-C river water (3rd class for fishery and 1st for industrial water).

##### Soil Contamination

Monitoring Item	Monitoring Results during Report Period	Measurement Point	Frequency
Extent of oil in soils		Model sites of land re-organization	When heavy machine operating
pH			As appropriate
EC			As appropriate

##### Waste

Monitoring Item	Measured Value	Measurement Point	Note	Frequency
Volume of soil (m <sup>3</sup> )				Monthly
Volume of construction garbage (m <sup>3</sup> )				Monthly

##### Noise

Item	Unit	Measured Value	Project Standard	Reference Standard	Measurement Point	Frequency
L <sub>Aeq</sub>	dB(A)		85 <sup>*1</sup>	50 <sup>*2</sup>	Near the construction site facing residential area	When heavy machine operating

\*1: Japan's noise regulation for construction works.

\*2: WHO's guidelines value (outdoor) for residential area.

### 3. Natural Environment

#### Fauna, Flora & Biodiversity

##### (1) Birds

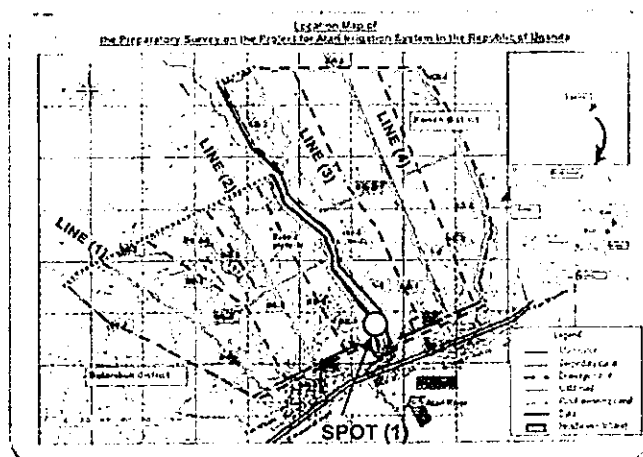
Monitoring Item	Monitoring Results during Report Period	Measures to be Taken	Frequency
Endangered Species:		Method: Line census method  Survey location: 4 lines  (Refer to Figure 1. "Map of the biodiversity monitoring location" shown in the end of this form)	Biannually (January & July)
Gray-crowned Crane ( <i>Balearica regulorum</i> )	Population: Location:		
Pallid Harrier ( <i>Circus macrourus</i> )	Population: Location:		
Fox's Weaver ( <i>Ploceus spekeoides</i> )	Population: Location:		
Shoebill ( <i>Balaeniceps rex</i> )	Population: Location:		
Other Species:			
	Population: Location:		
	Population: Location:		

##### (2) Others

Monitoring Item	Monitoring Results during Report Period	Measures to be Taken	Frequency
Herptiles:		Method: Visual encounter method, Field sign method, etc  Survey location: 4 lines	Biannually (January & July)
	Population: Location:		
	Population: Location:	(Refer to Figure 1. "Map of the biodiversity monitoring location" shown in the end of this form)	
Mammals:			
	Population: Location:	Method: Fishing method by net, Electro fisher method, etc  Survey location: 1 spot	
	Population: Location:		
Fishes:		(Refer to Figure 1. "Map of the biodiversity monitoring location" shown in the end of this form)	
	Population: Location:		
	Population: Location:		

#### Hydrological Situation

Monitoring Item	Monitoring Results during Report Period	Measures to be Taken	Measurement Point	Frequency
Volume of river flow (m <sup>3</sup> /s)		Water level gauge	At upstream of headwork to be constructed	Quarterly



Category	Survey Location
Birds	LINE (1) - (4)
Herptiles	LINE (1) - (4)
Mammals	LINE (1) - (4)
Fishes	SPOT (1)

**Figure 1. Map of the biodiversity monitoring location**

## Operation Phase

### 1. Response/Action to Comments and Guidance from Government Authorities and the Public

Monitoring Item	Monitoring Results during Report Period
No. and contents of formal comments made by the public	
No. and contents of responses from Gov. authorities	

### 2. Pollution

#### Water Quality

Item	Unit	Measured Value	Baseline Result	Project Standard	Measurement Point	Frequency
<b>Quantitative Analysis</b>						
pH	-		6.88 <sup>*1</sup>	6.5-8.5 <sup>*2</sup>	3 points: 1) Upstream of headworks 2) Confluence point of drainage canal and Atari River 3) Downstream of confluence point	Monthly (except TN & TP), Biannually (TN & TP)
DO	mg/L		4.5 <sup>*1</sup>	above 4.5 <sup>*1</sup>		
BOD	mg/L		17.5 <sup>*1</sup>	17.5 <sup>*1</sup>		
TN	mg/L		11.3 <sup>*1</sup>	11.3 <sup>*1</sup>		
TP	mg/L		1.0 <sup>*1</sup>	1.0 <sup>*1</sup>		
<b>Qualitative Analysis</b>						
Item		Monitoring Result		-		
Turbidity	-			-		
Oil	-			-		
<b>Monitoring for the pesticides use</b>						
Item	Unit	Measured Value	Baseline Result	Project Standard	Reference Standard	Frequency
Aldrin	µg/L		0.0036 <sup>*1</sup>	0.01 <sup>*3</sup>	0.03 <sup>*4</sup>	3 points: 1) Upstream of headworks 2) Confluence point of drainage canal and Atari River 3) Downstream of confluence point
Atrazine	µg/L		<0.0005 <sup>*1</sup>	2.0 <sup>*3</sup>	2.0 <sup>*4</sup>	
DDT	µg/L		0.0282 <sup>*1</sup>	0.025 <sup>*3</sup>	2.0 <sup>*4</sup>	
Endsulfan	µg/L		0.0431 <sup>*1</sup>	0.01 <sup>*3</sup>	10.0 <sup>*5</sup>	
Endrin	µg/L		0.0800 <sup>*1</sup>	0.01 <sup>*3</sup>	2.0 <sup>*6</sup>	
Simaxine	µg/L		<0.0005 <sup>*1</sup>	4 <sup>*3</sup>	2.0 <sup>*4</sup>	
Trifluralin	µg/L		<0.0005 <sup>*1</sup>	0.03 <sup>*3</sup>	2.0 <sup>*4</sup>	Biannually (1 time x 2 farming seasons)

Note: As for some indicators of pesticides, the measured value at baseline survey in 2018 has been already exceeded the project standard. However, those measured value are allowable by other relevant criteria shown on the reference standard. During the environmental monitoring, the reference standard will be referred for evaluation.

\*1: Maximum values obtained by baseline survey.

\*2: Japan's environmental standards for type-C river water (3rd class for fishery and 1st for industrial water).

\*3: Environmental quality standard for substances and certain other pollutions, European Union.

\*4: Guideline for drinking-water quality (4<sup>th</sup> edition, 2011), WHO.

\*5: Drinking water quality standard (water quality management goal) (2011), Japan.

\*6: National primary drinking water regulation (2011), USEPA.

#### Soil Contamination

Item	Unit	Measured Value	Project Standard	Measurement Point	Frequency
pH (paddy)	-		5.0-6.5 <sup>*1</sup>	Model sites of land re-organization	Quarterly
pH (maize)	-		5.0-7.5 <sup>*1</sup>		
EC (paddy)	µS/cm		700 <sup>*2</sup>		
EC (maize)	µS/cm		300 <sup>*2</sup>		

\*1: Standard for soil evaluation, Ministry of Agriculture, Forestry and Fisheries in Japan.

\*2: Desalting manual for farmland in Japan, Ministry of Agriculture, Forestry and Fisheries in Japan.

### 3. Natural Environment

#### Fauna, Flora & Biodiversity

##### (1) Birds

Monitoring Item	Monitoring Results during Report Period	Measures to be Taken	Frequency
Endangered Species:		Method: Line census method	Biannually (January & July)
Gray-crowned Crane	Population:		

<i>(Balearica regulorum)</i>	Location:	Survey location: 4 lines  (Refer to Figure 1. "Map of the biodiversity monitoring location" shown in the end of this form)
Pallid Harrier	Population:	
<i>(Circus macrourus)</i>	Location:	
Fox's Weaver	Population:	
<i>(Ploceus spekeoides)</i>	Location:	
Shoebill	Population:	
<i>(Balaeniceps rex)</i>	Location:	
Other Species:		
	Population:	
	Location:	
	Population:	
	Location:	

(2) Others

Monitoring Item	Monitoring Results during Report Period	Measures to be Taken	Frequency
Herptiles:			Biannually (January & July)
	Population:	Method: Visual encounter method, Field sign method, etc	
	Location:		
	Population:	Survey location: 4 lines	
	Location:		
Mammals:		(Refer to Figure 1. "Map of the biodiversity monitoring location" shown in the end of this form)	
	Population:		
	Location:		
	Population:		
Fishes:		Method: Fishing method by net, Electro fisher method, etc	
	Population:	Survey location: 1 spot	
	Location:		
	Population:	(Refer to Figure 1. "Map of the biodiversity monitoring location" shown in the end of this form)	
	Location:		

Groundwater

Item	Unit	Measured Value	Baseline Result	Project Standard	Measurement Point	Frequency	
Quantitative Analysis					Two points of existing wells: 1) Well near the construction site in Kween 2) Well near the construction site in Bulambuli	Biannually (1 time x 2 farming seasons)	
NO <sub>2</sub> -N	mg/L		19.92 <sup>*1</sup>	19.92 <sup>*1</sup>			
NO <sub>3</sub> -N			(in total as N)	(in total as N)			
Qualitative Analysis							
Item		Monitoring result		-			
Turbidity	-			-			
Oil	-			-			
Monitoring for the pesticides use					Two points of existing wells: 1) Well near the construction site in Kween 2) Well near the construction site in Bulambuli	Biannually (1 time x 2 farming seasons)	
Item	Unit	Measured Value	Baseline Result	Project Standard			Reference Standard
Aldrin	µg/L		0.0051 <sup>*1</sup>	0.01 <sup>*2</sup>			0.03 <sup>*3</sup>
Atrazine	µg/L		<0.0005 <sup>*1</sup>	2.0 <sup>*2</sup>			2.0 <sup>*3</sup>
DDT	µg/L		0.0126 <sup>*1</sup>	0.025 <sup>*2</sup>			2.0 <sup>*3</sup>
Endsulfan	µg/L		0.0241 <sup>*1</sup>	0.01 <sup>*2</sup>			10.0 <sup>*4</sup>
Endrin	µg/L		0.0322 <sup>*1</sup>	0.01 <sup>*2</sup>			2.0 <sup>*5</sup>
Simaxine	µg/L		<0.0005 <sup>*1</sup>	4 <sup>*2</sup>			2.0 <sup>*3</sup>
Trifluralin	µg/L		<0.0005 <sup>*1</sup>	0.03 <sup>*2</sup>	2.0 <sup>*3</sup>		

Note 1: As for indicators of NO<sub>2</sub> and NO<sub>3</sub>, the measured value at baseline survey in 2018 has been already exceeded the WHO drinking water quality standard (equivalent to 11.3 mg/l - N in total). During the environmental monitoring, the baseline result will be applied for the project standard as evaluation criteria.

Note 2: As for some indicators of pesticides, the measured value at baseline survey in 2018 has been already exceeded the project standard. However, those measured value are allowable by other relevant criteria shown on the reference standard. During the environmental monitoring, the reference standard will be referred for evaluation.

\*1: Maximum values obtained by baseline survey.



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### **Attachment -3: Modification of the Social Monitoring Form**

The modifications are made from the “Attachment-6: Social Monitoring Form” of the “Annex 9: Major Issues on Environmental and Social Considerations” described in the Minutes of Discussions dated on 14th June, 2018, signed by and between MAAIF and JICA, as shown hereunder;

#### **3-1. Social Monitoring Form**

To be changed as shown from the Page AT-3-2 to AT-3-4.

### Social Monitoring Form

<b>I</b>	<b>Monitoring Item;</b>	Public Meetings (regardless of official or non-official)
	<b>Monitoring Frequency;</b>	Quarterly

No.	Date of Public Meeting	Venue	No. of Participants			Main Topic	Comments/ Requests, etc. from Participants
			Male	Female	Total		
1							
2							

Note: The each record of detailed contents should be kept when the meetings organized.

<b>II</b>	<b>Monitoring Item;</b>	Seminars relevant to the Project <sup>*1</sup>
	<b>Monitoring Frequency;</b>	Quarterly

No.	Date of Seminar	Venue	No. of Participants			Agenda	Comments/ Requests, etc. from Participants
			Male	Female	Total		
1							
2							

\*1: E.g., Seminars on Agricultural Chemicals Use.

<b>III</b>	<b>Monitoring Item;</b>	Water Users' Association (WUA) Member List
	<b>Monitoring Frequency;</b>	Quarterly

No.	Village/ Parish/ Sub-county/ District	Sex		Name of Member
		Tick a box (✓)		
		Male	Female	
1				
2				

<b>IV</b>	<b>Monitoring Item;</b>	Complaints relevant to the Project
	<b>Monitoring Frequency;</b>	Quarterly

**(1) Summary**

Item	Total No. of Complaints Received	Total No. of Complaints Justified	Total No. of Solved Complaints
VGRC <sup>*1</sup>			
DGRC <sup>*2</sup>			
Land Tribunals			
a) Village level			
b) Parish level			
c) District level			
Courts of Law			
Other (Specific: )			

\*1: VGRC (Village Grievance Redress Committee)

\*2: DGRC (District Grievance Redress Committee)

**(2) Complaint List by Matter**

No.	Date	Complainant		Name <sup>*1</sup>	Subject Matter	Clarification on Who initiated the referral
		Male	Female			
1						
2						

\*1: "Name" shall be hidden by black at the information disclosure.



<b>V</b>	<b>Monitoring Item;</b> <b>Monitoring Frequency;</b>	<b>Progress of RAP Activities</b> <b>Quarterly</b>
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Item	Completion Date Period	Expected Date of Completion
RAP Finalization Period		
Submission to CGV*1		
Approval by CGV		
Procurement of RAP Implementation Consultant		
Approval for payment by MAAIF		
Preparation of Compensation Funds by MAAIF		
Disclosure of Compensation Amounts		
Opening Banks Accounts of for PAPs		
Training Programmes		
Payment of Compensation to all PAPs		
Grievance Resolution and settlement of disputes		
Implementation of Livelihood Restoration Programmes		
Assistance of Vulnerable People		
External Monitoring and Evaluation		
RAP Audit Report		
RAP Completion		

Note: Chief Government Valuer, under the Ministry of Lands, Housing, and Urban Development.

<b>VI</b>	<b>Monitoring Item;</b> <b>Monitoring Frequency;</b>	<b>Progress of Compensation Payment, Land Acquisition and Resettlement</b> <b>Quarterly</b>
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Activity	Planned Total	Unit	Progress in Quantity		Progress in Percentage		Expected Date of Completion	Completion Date
			Up to Previous Quarter	Up to Current Quarter	Up to Previous Quarter	Up to Current Quarter		
<b>Progress of Compensation Payment</b>								
Kween		HHs						
Bulambuli		HHs						
<b>Progress of Land Acquisition</b>								
Kween		ha						
Bulambuli		ha						
<b>Progress of Asset Replacement</b>								
Kween		HHs						
Bulambuli		HHs						
<b>Progress of Resettlement of People</b>								
Kween		HHs						
Bulambuli		HHs						
<b>Progress of Providing Livelihood Support</b>								
Kween		HHs						
Bulambuli		HHs						
<b>Progress of Land Re-organization (Model Site: 12 ha)</b>								
Kween		ha						
Bulambuli		ha						

<b>VII</b>	<b>Monitoring Item;</b> <b>Monitoring Frequency;</b>	<b>Actual Amount paid and timeliness of Compensation Payment</b> <b>Quarterly</b>
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No.	RAP ID No.*1	Name of HH Head*1	Amount of Payment (UGX)	Date of Payment	Signature	
					Payer	Receiver
1						
2						

\*1: "RAP ID No." and "Name" shall be hidden by black at the information disclosure.

<b>VIII</b>	<b>Monitoring Item;</b> <b>Monitoring Frequency:</b>	<b>Economic Situation</b> <b>Annually*<sup>1</sup> (Simple Random Sampling)</b>
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No.	RAP ID No. <sup>*2</sup>	Name of HH Head <sup>*2</sup>	Sex of HH Head (✓)		Main Income Source of HH	Amount of Annual Income (UGX)	Amount of Annual Expenditure (UGX)
			Male	Female			
1							
2							

\*1: One time before compensation payment and one time per year after compensation payment.

\*2: "RAP ID No." and "Name" shall be hidden by black at the information disclosure.

<b>IX</b>	<b>Monitoring Item;</b> <b>Monitoring Frequency:</b>	<b>Household Members</b> <b>Annually*<sup>1</sup> (Simple Random Sampling)</b>
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No.	RAP ID No. <sup>*1</sup>	Name of HH Head <sup>*1</sup>	HH members	Sex (✓)		Age	Marital status (✓)		Relationship to the HH Head
				Male	Female		Single	Married	
1			member-1						
			member-2						
			member-3						
2			member-1						
			member-2						
			member-3						

\*1: "RAP ID No." and "Name" shall be hidden by black at the information disclosure.

<b>X</b>	<b>Monitoring Item;</b> <b>Monitoring Frequency:</b>	<b>Involvement of Community People in Project Construction</b> <b>Quarterly (During Construction)</b>
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Item	No. of PAPs		
	Male	Female	Total
Number of community people employed in the Project Construction			

<b>XI</b>	<b>Monitoring Item;</b> <b>Monitoring Frequency:</b>	<b>Hazard and Disturbance</b> <b>Monthly (During Construction)</b>
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Item	Monitoring Results
No. of Households Affected by hazards and Disturbance from Construction	HH(s)
No. of Patients among construction workers	Person(s)
No. of accident relevant to the Project Construction	Accident(s)
Children labor during Project Construction	Person(s)
Crimes by construction workers including sexual harassment	Crime(s)

<b>XII</b>	<b>Monitoring Item;</b> <b>Monitoring Frequency:</b>	<b>Extent of damage to existing infrastructures</b> <b>Monthly (During Construction)</b>
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No.	Date	Venue	Details of Contents	Owners of existing infrastructures	Solution
1					
2					

<b>XIII</b>	<b>Monitoring Item;</b> <b>Monitoring Frequency:</b>	<b>Case of conflict between construction workers and community members</b> <b>Monthly (During Construction)</b>
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No.	Date	Venue	Details of Contents	Solution
1				
2				

## SOCIAL MONITORING FORM

in March 2019

I	Monitoring Item; Monitoring Frequency;	Public Meetings (regardless of official or non-official) Quarterly
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No.	Date of Public Meeting	Venue	No. of Participants			Main Topic	Comments/ Requests, etc. from Participants
			Male	Female	Total		
1	4/12/2018	Primary school in Kween	-	-	32	PACC meeting	See attached minutes of meeting
2	13/12/2018	Primary school in Bulambuli	80	30	110	General assembly meeting	See attached minutes of meeting

Note: The each record of detailed contents should be kept when the meetings organized.

II	Monitoring Item; Monitoring Frequency;	Seminars relevant to the Project* Quarterly
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No.	Date of Seminar	Venue	No. of Participants			Agenda	Comments/ Requests, etc. from Participants
			Male	Female	Total		
	(No seminars)						

Note: Seminars on Agricultural Chemicals Usage.  
The each record of detailed contents should be kept when the seminar organized.

III	Monitoring Item; Monitoring Frequency;	Water Users' Association (WUA) Member List Quarterly
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No.	Village/ Parish/ Sub-county/ District	Sex Tick a box (✓)		Name of Member
		Male	Female	
	(Not established)			

IV	Monitoring Item; Monitoring Frequency;	Complaints relevant to the Project Quarterly
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## (1) Summary

Item	Total No. of Complaints Received	Total No. of Complaints Justified	Total No. of Solved Complaints
VGRC*1			
DGRC*2			
Land Tribunals			
a) Village level			
b) Parish level			
c) District level			
Courts of Law			
Other (Specific: )			

\*1: VGRC (Village Grievance Redress Committee)

\*2: DGRC (District Grievance Redress Committee)

## (2) Complaint List by Matter

No.	Date	Complainant Tick a box (✓)		Name	Subject Matter	Clarification on Who initiated the referral
		Male	Female			
1						
2						

V	Monitoring Item; Monitoring Frequency;	Progress of RAP Activities Quarterly
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Item	Completion Date Period	Expected Date of Completion
RAP Finalization Period	Aug 2018	Aug. 2018
Submission to CGV*1	Aug. 2018	Aug. 2018
Approval by CGV	Oct. 2018	Aug. 2018
Procurement of RAP Implementation Consultant		Feb. 2018 – June. 2019
Approval for payment by MAAIF		Aug. 2019
Preparation of Compensation Funds by MAAIF		Aug. 2019 – Sep. 2019
Disclosure of Compensation Amounts		Aug. 2019 – Sep. 2019
Opening Banks Accounts of for PAPs		Sep. 2019
Training Programmes		Oct. 2019
Payment of Compensation to all PAPs		Sep. 2019 – Oct. 2019
Grievance Resolution and settlement of disputes		Sep. 2019 to continuously
Implementation of Livelihood Restoration Programmes		Aug. 2019 – Mar. 2020
Assistance of Vulnerable People		Aug. 2019 – Jan. 2020
External Monitoring and Evaluation		Mar. 2020 – Apr. 2020
RAP Audit Report		Jul. 2020
RAP Completion		Jul. 2020

Note: Chief Government Valuer, under the Ministry of Lands, Housing, and Urban Development.

VI	Monitoring Item; Monitoring Frequency;	Progress of Compensation Payment, Land Acquisition and Resettlement Quarterly
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Activity	Planned Total	Unit	Progress in Quantity		Progress in Percentage		Expected Date of Completion	Completion Date
			Up to Previous Quarter	Up to Current Quarter	Up to Previous Quarter	Up to Current Quarter		
<b>Progress of Compensation Payment</b>								
Kween		HHs						
Bulambuli		HHs						
<b>Progress of Land Acquisition</b>								
Kween		ha						
Bulambuli		ha						
<b>Progress of Asset Replacement</b>								
Kween		HHs						
Bulambuli		HHs						
<b>Progress of Resettlement of People</b>								
Kween		HHs						
Bulambuli		HHs						
<b>Progress of Providing Livelihood Support</b>								
Kween		HHs						
Bulambuli		HHs						
<b>Progress of Land Re-organization (Model Site: 12 ha)</b>								
Kween		ha						
Bulambuli		ha						

VII	Monitoring Item; Monitoring Frequency;	Actual Amount paid and timeliness of Compensation Payment Quarterly
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RAP ID No.	Name of HH members	Amount of Payment (UGX)	Date of Payment	Signature	
				Payer	Receiver
1					
2					
3					

VIII	Monitoring Item; Monitoring Frequency;	Economic Situation Annually (One time each at before and after compensation payment) (Simple Random Sampling)
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Sex of HH Head (✓)		Main Income Source of HH	Amount of Annual Income (UGX)	Amount of Annual Expenditure (UGX)
Male	Female			

IX	Monitoring Item; Monitoring Frequency	Household Members Annually (One time each at before and after compensation payment) (Simple Random Sampling)
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Name of HH members	Sex (✓)		Age	Marital status (✓)		Relationship to the HH Head	Residential status	Movement in/ out of household members
	Male	Female		Single	Married			

X	Monitoring Item; Monitoring Frequency;	Involvement of PAPs in Project Construction Quarterly (During Construction)
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Item	No. of PAPs		
	Male	Female	Total
Number of PAPs employed in the Project Construction			

XI	Monitoring Item; Monitoring Frequency;	Hazard and Disturbance Monthly (During Construction)
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Item	Monitoring Results
No. of Households Affected by hazards and Disturbance from Construction	HH(s)
No. of Patients among construction workers	Person(s)
No. of accident relevant to the Project Construction	Accident(s)
Children labor during Project Construction	Person(s)
Crimes by construction workers including sexual harassment	Crime(s)

XII	Monitoring Item; Monitoring Frequency;	Extent of damage to existing infrastructures Monthly (During Construction)
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No.	Date	Venue	Details of Contents	Owners of existing infrastructures	Solution
1					
2					

XIII	Monitoring Item; Monitoring Frequency:	Case of conflict between construction workers and community members Monthly (During Construction)			
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No.	Date	Venue	Details of Contents	Solution
1				
2				

## PACC Discussion in Detailed Design Stage

1. DATE; 4<sup>th</sup> Dec. 2018
2. Place; Modern primary school in Kween
3. Attendance;

CONSULTANT; Mr Ieizumi, Mr Akiyoshi, Mr Ishikawa, Ms Oishi, (LC. Mr David Shimiyu)

MAAIF; Eng. Benon Lwanga, Eng. Allan

PACC; ~~XXXXXXXXXX~~

### 4. Discussion;

The Consultant presented the agenda in the meeting;

- 1) Entire schedule from, detailed design to construction stage
- 2) Activities of Field Survey on Detail Design Stage (by the end of December 2018)
- 3) Recruitment of voluntary famers for model site construction and activities
  - Work flow of model site construction,
  - Purpose of model site, definition of model famers,
  - Criteria of recruitment of voluntary famers, and
  - Deadline of selection of voluntary famers
- 4) PAPs
- 5) Base camp for contractors

#### 1) Entire schedule from, detailed design to construction stage

Detailed design will be done by the end of Sep. 2019 from Dec. 2018. Tendering stage and construction stage are followed by it. The construction plans to commence from Jan. 2020 and up to Jul. 2022 for 2.5 years.

#### 2) Activities of Field Survey on Detail Design Stage (by the end of December 2018)

##### (a) Topo. Survey

Topo. Survey is planned to clarify the drainage plan at downstream of Bulambuli area and to investigate remained area which was forced to suspend the survey at the Outline Design stage due to the much water. The Survey is going to start on 4<sup>th</sup> /12' 18.

PACC requested that regarding the area at downstream of Bulambuli area, Surveyor shall work carefully because they are not included into the JICA Project even as the PAPs. The Consultant brings this attention to the Surveyor and create necessary awareness to the famers at this downstream area. In addition to that, the surveyor fully involves and requests to engage the PACC members to avoid any trouble during the survey.

The Consultant explained that the design concept on the drainage canal at downstream of Bulambuli area is to utilize the natural depression and channel. These could be connected with the drainage canal designed in the Project area and less impact on those downstream areas. The raising issue on compensation should be avoided. (PACC approved the works.)

(b) Geo. Surveys

Geo. Survey plans to clarify the soil conditions at downstream of the Project area. Two bor. holes are respectively conducted at D.S. of Bulambuli and Kween, and the sampling from U.S. area, which design as borrow pit for the embankment, are planned at both districts. The works will be initiated from 5<sup>th</sup> Dec.'18. The Consultant requested PACC members to accompany with the Surveyor during the works and bring the notice to the related landowner. (PACC approved the works.)

(c) Water quality test

This works is for the monitoring on environmental status during and after the construction. In order to clarify the base indicators at present site for the future monitoring, the underground water at both districts, which are located at domestic hand operated bore near Atari Centre and near St. Jude Pri. school, and sampling at the Atari river are designed. The Consultant requested to approve these works at designated places. (PACC approved the works.)

(d) Stake holder meeting for recruitment of voluntary famers on the land re-organization

The Consultant explained the purpose and necessary steps for land reorganization. The Consultant requested the volunteer farmers who can engage in the model farm land to PACC members. PACC members will discuss on these matters and give feed back to PDCC and MAAIF. The dead line for the decision on volunteer farmers and location of model farmland should be at the end of Feb. 2018 requested by the Consultant.

3) Recruitment of voluntary famers for model site construction and activities

The Consultant explained that 6ha for the model farmland on both districts respectively, which means in total of 12ha, will be voluntarily required. Preferably the expected farmland should be located near or along canal, near the main road and possibly midway the project area for the accessibility and the showcase to the other farmers. Therefore, at the D.S. site is not good for the location as the model site.

PACC insisted that we need some time to identify the voluntary famers and their locations and give feedback it.

4) PAPs concerning setting up the sign board to identify cut-off date

Sign board are to be written in the following languages; English and Kiswahill for large scale board, and Luamasaba and Kuksahbiny for small scale board. PACC members urged the followings;

- 1) The famers should be compensated firstly.
- 2) Some PAPs had been mistakenly believed that the compensation date was on Mar. 2018, so those who must be miss-interpretation on the sign board. Sign board has to set up shortly before commencement of the compensation.
- 3) First call for the PACC general meeting is to explain the information and the necessity for the sign board to famers and PAPs based on their agreement of RAP. We shall place the sign board.
- 4) The PACC members should allow to share this same information to the PAPs to know their feelings and remarks. After that, those should be feedback to the consultants before any actions.
- 5) Some new famers have no idea of the Project so they could be circulating wrong information and de-campaigning the Project. To avoid any troubles, the general meeting should call for to remind them of their



TOR so that they can also share with the stakeholders. This also calls for general stakeholder meetings to solve the raising issues.

5) Base camp for contractors

PACC members agreed on the three (3) candidate sites for this cause- one (1) in KWEEN district and two (2) in BULAMBULI districts respectively. The detail location will be shared with MAIIF and the Consultant.

**5. Comments by MAAIF (Mr. Benon Lwanga (Senior Engineer, MAAIF))**

All the teams related should follow the necessary steps with PACC, PDCC and take actions for smooth implementation in the field work. The general PACC meeting should be in consideration and full attendance all famers have to done. Calls for the commitments of the PACC members must be done and PACC should be responsible for settling all negative and misunderstanding information.

Regarding the misunderstanding on the compensations of conducting from Mar. 2018, MAAIF had never announced the date of Mar. 2018 as the commencement of compensation, but the commencement will be handled before the end of 2019.

MAAIF suggested PACC that any arising issues should be shared with Sub County, PDCC and MAAIF.

The Parish Chief for Sikwo promised that to handle the issue of arising land claims of those people with negative attitudes for the project and to organize the selection of the model site and the voluntary famers will be done.

**End of memo.**

## GENERAL ASSEMBLY MEETING of ATARI AREA in Detailed Design Stage

1. DATE; 13th Dec. 2018 Time: 14:30 – 17:00

2. Place; Primary school in Bulanbuli

3. Attendance;

CONSULTANT; Mr feizumi, Mr Oishi, (LC. Mr David Shimiyu)

MAAIF; Eng. Benon Lwanga, Eng. Alan

PDCC and PACC; ██████████

Community People: Around 110 persons (Men: 80, Women 30)

4. Memo of the Discussion;

Prayer was led by one of the members and self-introductions were done for all participants. Local Council 1 (LC1: Local Council of village) chairperson Busangai village welcomed all participants for the meeting and officially declared the meeting open. Then, the discussion/explanation/exchange of opinions were done as follows;

- (1) PACC chairman of BULAMBULI warmly welcomed all members and called upon keen attention, calmness and participation in the meeting.
- (2) PACC chairman of KWEEN thanked all participants for coming to attend the general meeting, he called on the names of the members to pick their RAP evaluation forms and calls upon members to forward their questions and complains to secretary PACC. We as ATARI farmers have to be patient with the activities of the experts and Uganda government for the progress of this project.
- (3) Local council 3 (LC3: Local council of sub-county) chairman Ngenge sub-county call on people to be vigilant on all questions arising from stakeholders because it may cause a stampede for our project because we have been sorting the same on NGENGE project (financed by AfDB) three times just on the compensation issues. He emphasised continuous sensitisation of community over irrigation.
- (4) LC3 Bumufuni sub-county remarked on the UGX 93 billion Uganda shillings to support irrigation and wondered why there has been no compensation and yet PAPs were promised to be cleared as earlier as Feb .2018.
- (5) Senior Assistant Secretary Bumufuni remarked as follows
  - Atari project is progressing positively on that people are forgetting that it is going to be a MODEL project in Uganda.
  - Uganda government won't dodge compensation so all the PAPs will receive their compensation packages when that time comes.
  - Let us look for the benefit of the Atari basin irrigation project than just focusing on compensations.
  - Since we are reliably informed about the 93 billion Uganda shillings for our project, we the PAPs have hopes that our compensations will be handled soon says the chief.
  - Though there are arising negative talks against our project, let us keep the right course for the right cause.
  - The resistance on the signboard setting up won't act as compensation, so I would suggest we allow the sign post to be erected.
- (6) Senior Assistant Secretary Ngenge said the following;
  - Let the signboard be raised on site for the sake of project success, the post just shows what's taking place with no bad intentions.
- (7) PDCC BULAMBULI says that community should identify the wrong people who are sabotaging government programmes of development since they want the whole community to lose because of their wrong assumptions. Though the process is slow but we are sure we shall come up with a model project of japan standards, so we have to be patient and flexible with the programme.

(8) MAAIF –MR. BENON presents and answers for questions as follows;

- Last meeting was held with the RAP consultant which ended the RAP EXERCISE and the report was approved. The Grant Aid financing agreement was signed by 6th. Nov .2018, so there is no reversing of the process, ATARI basin irrigation project will be constructed by end of 2020.
- What happening from now to the end 2019 is detailed designs and preparing tendering documents (by SANYU Consultants from japan).
- Remember Atari project is a GRANT-AID project and has got conditions accompanying it and indeed Uganda government extend our great thanks to JAPAN government for the offer.
- The Ugx. 93 billion shillings is not to handle the compensation but it will used by JICA for paying Japan contractors for their work.
- ATARI project is going to be co-financed by Uganda government and japan government. Uganda will handle the compensations, carry on sensitisations /some studies and pay some developments which are not within the grand aid package.
- Uganda government is tendering for the RAP implementation consultant and hopefully all compensation will be completed by 2019.
- During compensations the PAPs must present their original copies of NATIONAL ID, have bank accounts of owner's choice. The local leaders and elders will be needed to sign to append signatures on the disclosed values. Those who won't agree with the values will register the claims to the grievances' team.
- The reason for delayed payments of compensation is because we can't spend what we don't have, we didn't budget for it during the 2018/2019 since we didn't have the figures from the government valuer, but MAAIF has now secured a budget for compensation and we have handed it over to ministry of finance for prioritisation and implementations.
- We have also the software component within this project and this calls for volunteer famers and with them we shall work together throughout the project. This will be done by Japanese experts and Ugandan experts.
- Those people who are passing wrong and negative information against this project just want to mislead you and take half from your benefits, so it's high time you avoided them or sensitize them on the good things within this project.

#### **5. Questions, Concerns, Requests from Community People and Answers from MAAIF/Project Team**

1) **Why is the compensation for the NGENGE River AfDB project already done and construction is already begun, but the Atari project not yet when Atari river JICA project studies begun before and earlier?**

[Ans] It is funded by loan agreement by AfDB while ATARI project is under Grant Aid and Uganda government can't dictate on the pace at which work is done.

2) **MAAIF promised to pay our compensations by January 2018, what went wrong that up to date we have not?**

[Ans] MAAIF has never promise to clear by that time since that's the very time we had just begun the RAP Exercise and we could not compensate before knowing the values or how much we have to.

3) **Will MAAIF compensate for model site?**

[Ans] Model site need volunteer famers, so no compensation.

4) **Won't the water from the drainage affect me since am downstream of Bulambuli exactly after the end point of project coverage?**

[Ans] Water will follow the natural depressions and so there will be no effect to downstream famers.

5) **For how long will the land be used as a demo site?**

[Ans] Three seasons.

6) **Am not a PAP, Am I allowed to set up a house now?**

[Ans] Non PAPs have no restrictions on raising structures, it only applies to the PAPs who should not make any structures or plant trees along the project affected area.

7) **The Topo-surveyors are taking a coverage of 900M downstream of the project area without the notice of the land owners, is that the increment of the project area or what's going on?**

[Ans] There should be no worries over that, it's the way topographic studies are done, its to enable them pick the levels.

8) **We've got plenty of rats affecting our rice farms of resent, can there be any help from you to reduce on this vise?**

[Ans] We shall get MAAIF experts together with the district Agricultural officers will work on that attack.

9) **Shall we have casual labourers hired from Atari local community or the contractor will come with his team alone?**

[Ans] The contractor will determine the need and the qualifications for his team.

10) **How will you help persons without national IDS during compensation?**

[Ans] Contact your districts for the id issues for it among the Must requirements during compensation.

11) **We saw some surveyor moving around our homes near the Bulambuli –Moroto road, which activity are they carrying on since we don't see them with PACC members?**

[Ans] Our surveyors work hand in hand with PACC members so any team without PISD PACC MEMBERS should be another team executing other government programmes.

**End of memo.**