

**DEPARTMENT OF AGRICULTURE AND RURAL DEVELOPMENT
OF BINH THUAN PROVINCE
PMU OF TECHNICAL COOPERATION PROJECT FOR
AGRICULTURE DEVELOPMENT
IN PHAN RI - PHAN THIET PHASE 2
(TC-PRPT Phase-2)**

**ENVIRONMENTAL AND SOCIAL CONSIDERATIONS
MONITORING REPORT
BINH AN PILOT SITE
(OPERATION STAGES)**

JUNE 2018

MONITORING FORM

-If environmental reviews indicate the need of monitoring by JICA, JICA undertakes monitoring based on regular reports including measured data submitted by the project proponent, using this monitoring form.

1. Responses/Actions to Comments and Guidance from Government Authorities and the Public

Comments and Guidance from Government Authorities and the Public	Responses/Actions
Responses/Actions to Comments and Guidance from Government Authorities	Local authorities support project during the implementation Coordinate, propagate and mobilize people to participate in the model

2. Pollution

Water Quality: (Waste water/ surrounding water) Testing

Item	Unit	Measured value (Mean)	Measured value (Max)	QCVN 08:2008/BTN MT (B1 class)	Measurement point	Frequency
pH	-	7.32		5.5-9	Water reservoir in block A, Binh An pilot site	Every 3 months
NH4	mgN/l	0.26		0.9		
PO4	mgP/l	0.03		0.3		
Pesticides	Organic chlorine group	KPH (LOD= 0.01)		No stipulation		
	Organic phosphorus group	KPH (LOD= 0.01)		No stipulation		

Fertilizers and Pesticides used for Farming Practices: Visual Inspection & Interview

Item	Unit	Area applied	Calculated ratio (Kg/ha)	Recommended values	Record site	Frequency of use
Urea	Kg	20ha	200	-	Binh An	3months
NPK	Kg	20ha	50	-	Binh An	1months

K	Kg	20ha	Not fertilized	-	Binh An	-
Phosphorus	Kg	20ha	Not fertilized	-	Binh An	-

Solid Waste:

Monitoring item	Monitoring results during	Measures to be taken
Amount of waste generated, recycled, and disposed	not significant	Collected into one place for processing
Amount of Collected and disposed properly	not significant	Collected into one place for processing

3. Social Environment

Monitoring item	Monitoring results during report period	Measures to be taken
Record of poor people benefited from the project	In the stage of dissemination	
Record of minority ethnic and indigenous people influenced from the project	No ethnic minority and indigenous people influenced from the project	Collect information from CPC
Record of local economy	No change	Collect information from CPC
Amount of water consumed	Estimation: 44.000m ³ (11 ha)	From Bac Binh IME
Record of conflicts of interest	No conflicts of interest	Monitoring
Record of women involvement in the project activities	10 female workers working in Chau Giang company	From Chau Giang company
Record of violation of children's rights	There is no activity of the project that violates children's right	Monitoring
Record of safety conditions, Record of working accident	There are no signs of unsafety after the works put into use and operation	Monitoring

**DEPARTMENT OF AGRICULTURE AND RURAL DEVELOPMENT
OF BINH THUAN PROVINCE
PMU OF TECHNICAL COOPERATION PROJECT FOR
AGRICULTURE DEVELOPMENT
IN PHAN RI - PHAN THIET PHASE 2
(TC-PRPT Phase-2)**

**ENVIRONMENTAL AND SOCIAL CONSIDERATIONS
MONITORING REPORT
SONG BINH PILOT SITE
(OPERATION STAGES)**

JUNE 2018

MONITORING FORM

If environmental reviews indicate the need of monitoring by JICA, JICA undertakes monitoring based on regular reports including measured data submitted by the project proponent, using this monitoring form.

1. Responses/Actions to Comments and Guidance from Government Authorities and the Public

Comments and Guidance from Government Authorities and the Public	Responses/Actions
Responses/Actions to Comments and Guidance from Government Authorities	Local authorities support project during the implementation Coordinate, propagate and mobilize people to participate in the model

2. Mitigation Measures

- Air Quality (Emission Gas / Ambient Air Quality)

Item	Unit	Measured Value (Mean)	Measured Value (Max.)	Country's Standards*)	Referred International Standards	Measurement Point, Frequency, Method, etc. and Remarks
Dust	Mg/m ² /day	4.22		TCVN5498:1995	-	Measurement point: Song Binh pilot site

- Water quality (Waste water/ surrounding water)

Item	Unit	Measured Value (Mean)	Measured Value (Max.)	Country's Standards	Referred International Standards	Measurement Point, Frequency, Method, etc. and Remarks
pH	-	7.94		5.5-9.0		Water sample was taken from canal, Song Binh pilot site pH:TCVN6492:2011 SS:TCVN6625:2000 BOD:SMEWW 5210D:2012 COD:TCVN6491:1999 DO:TCVN7325:2004
SS (Suspended Solid)	mg/l	14.4		50		
BOD	mg/l	6.0		15		
COD	mg/l	11.2		30		
DO (Dissolved Oxygen)	mg/l	5.25		>4		
Temperature	°C	29.1		-		

- Solid Waste

Problem(s)/Concern(s)	Monitoring site, Frequency, Method, etc. and Remarks

No	Visual inspection
----	-------------------

- Noise / Vibration

Item	Unit	Measured Value (Mean)	Measured Value (Max.)	Country's Standards	Referred International Standards	Remarks (Measurement Point, Frequency, Method, etc.)
Noise level	dB(A)	59.5		70		Measurement Point: Song Binh pilot site TCVN 7878-2:2010

3. Natural Environment

- Ecosystem

Problem(s)/Concern(s)	Monitoring site, Frequency, Method, etc. and Remarks
None	The project does not affect the ecosystem

4. Social Environment

- Involuntary Resettlement

Progress	Problem(s)/Concern(s)	Monitoring site, Frequency, Method, etc. and Remarks
N/A	-	The involuntary resettlement does not occur in this project

- Land Acquisition

Progress	Problem(s)/Concern(s)	Monitoring site, Frequency, Method, etc. and Remarks
100%	Got a consensus from farmers	On farm canals were constructed on land contributed by farmers

- Livelihood

Progress of livelihood restoration program	Problem(s)/Concern(s)	Monitoring Results during Report Period
N/A	-	The project has no negative impact to

		people's livelihood
--	--	---------------------

- Conflicts of interest in the region

Problem(s)/Concern(s)	Monitoring Results during Report Period
None	Conflict of interest in the region have not recognized.