

**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)**

MARCH 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	Ton/km ² /month	No data	-	TCVN5498:1995	-	Measurement point:

- 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	-	7.52	-	5.5-9.0	-	Water sample was taken from canal pH:TCVN6492:2011 SS:TCVN6625:2000 BOD:TCVN6001-1:2008 COD:TCVN6491:1999 DO:TCVN7325:2004
SS (Suspended Solid)	mg/l	No data	-	50	-	
BOD	mg/l	No data	-	15	-	
COD	mg/l	No data	-	30	-	
DO (Dissolved Oxygen)	mg/l	No data	-	>4	-	
Temperature	°C	No data	-	-	-	

- Solid Waste

Problem(s)/Concern(s)	Monitoring site, Frequency, Method, etc. and Remarks
Brick, stone and cement	Solid waste is negligible

- Noise / Vibration

Item	Unit	Measured Value (Mean)	Measured Value (Max.)	Country's Standards	Referred International Standards	Remarks (Measurement Point, Frequency, Method, etc.)
Noise level	dBA	No Data	-	70	-	Measurement Point: 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
N/A	-	-

- 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.

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MONITORING REPORT
SONG BINH PILOT SITE
(OPERATION STAGES)**

MARCH 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.

3. 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

4. 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	Ton/km ² /month	0.14	-	TCVN5498:1995	-	Measurement point: at construction 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	-	8.21	-	5.5-9.0	-	Water sample was taken from canal pH:TCVN6492:2011 SS:TCVN6625:2000 BOD:TCVN6001-1:2008 COD:TCVN6491:1999 DO:TCVN7325:2004
SS (Suspended Solid)	mg/l	19.2	-	50	-	
BOD	mg/l	6.0	-	15	-	
COD	mg/l	10.5	-	30	-	
DO (Dissolved Oxygen)	mg/l	5.52	-	>4	-	
Temperature	°C	29.0	-	-	-	

- Solid Waste

Problem(s)/Concern(s)	Monitoring site, Frequency, Method, etc. and Remarks
Brick, stone and cement	Solid waste is negligible

- Noise / Vibration

Item	Unit	Measured Value (Mean)	Measured Value (Max.)	Country's Standards	Referred International Standards	Remarks (Measurement Point, Frequency, Method, etc.)
Noise level	dBA		-	70	-	Measurement Point: Directly measure at construction 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.