Department of Environment and Natural Resources
Environmental Management Bureau
Regional Office No. IX – Western Mindanao

ENVIRONMENTAL COMPLIANCE COMMITMENT

(Issued under Presidential decree 1586)

ECC-RIX-1303-0039

THIS IS TO CERTIFY THAT PROPONENT **Local Government Unit of Tungawan** represented by its Municipality Mayor, **Hon. Randy A. Climaco** is granted this Environmental Compliance Commitment (ECC), for the **Rehabilitation of Junction Provincial Road Barangay San Isidro to Little Margos and Barangay San Isidro to Sitio Limanon Farm to Market Road project**, located at **Barangays San Isidro and Little Margos, Municipality of Tunagawan, Province of Zamboanga Sibugay** by the Department of Environment and Natural Resources (DENR), through the Environmental Management Bureau, Region IX.

SUBJECT ONLY to the conditions and restrictions set-out in this ECC and in the attached document labeled as Annex A and B.

PROJECT DESCRIPTION

The proposed **Rehabilitation of Junction Provincial Road Barangay San Isidro to Little Margos and Barangay San Isidro to Sitio Limanon Farm to Market project** is located at **Barangays San Isidro and Little Margos, Municipality of Tungawan, Province of Zamboanga Sibugay.**

This ECC is issued in compliance to the requirements of Presidential Decree No. 1586, in accordance to Department Administrative Order No. 2003-30. The Bureau, however, is not precluded from reevaluating, adding, removing, and correcting any deficiencies or errors that may be found to be inconsistent with the Revised Procedural Manual of DAO 2003-30 after issuance of this ECC.

Issued at EMB-Region IX, Western Mindanao, Philippines this Apr 08 2013.

Approved by:

EnP SIXTO E. TOLENTINO, JR.
Regional Director

Recommending Approval:

WINNIE S. RAMOS
Chief, EIA Division

ECC-RO9-1303-0039
LGU Tungawan

CC: The Mayor- Buug, Zamboanga Sibugay
The RED DENR Region IX
The PENRO- Zamboanga Sibugay
The CENRO- Zamboanga Sibugay

SWORN STATEMENT OF OWNER

I, Randy A. Climaco, Municipal Mayor and Authorized Representative of LGU Tunagawan for the **Rehabilitation of Junction Provincial Road Barangay San Isidro to Little Margos and Barangay San Isidro to Sitio Limanon Farm-To-Market Road Project**, located at **Barangays San Isidro and Little Margos, Municipality of Tungawan, Province of Zamboanga Sibugay** takes full responsibility in complying with all conditions contained in this Environmental Compliance Commitment (ECC).

RANDY A. CLIMACO
Authorized Representative

TIN _____

Subscribed and sworn to before me this _____ day of FEB 20 2014 2013, the above-named affiant taking oath presenting Residence Certificate No. _____ issued on _____ 2013 at _____.

Atty. RICHARD B. RAMBUYONG
Notary Public
Until December 31, 2014
PTR No 3918198 1/02/14
Ipil, Zamboanga Sibugay

Signature of Notarizing Officer

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ECC-RO9-1303-0039
LGU Tungawan

CC: The Mayor- Buug, Zamboanga Sibugay
The RED DENR Region IX
The PENRO- Zamboanga Sibugay
The CENRO- Zamboanga Sibugay

I. CONDITIONS

ENVIRONMENTAL MANAGEMENT & MONITORING PLAN (EMMoP)

1. The proponent shall ensure that all commitments, appropriate mitigating/enhancement measures and monitoring requirements especially those contained in the EMMoP in the **Initial Environmental Examination,** its modifications shall be instituted and strictly implemented throughout the project implementation;
2. The proponent shall submit an Abandonment Plan to the EMB-IX at least one year prior to the project's abandonment. The plan shall include rehabilitation measures/clean-up, remediation of areas affected by the project and proposed alternative projects in the area.

GENERAL CONDITIONS

3. This Certificate shall cover the rehabilitation of 8.220 km farm-to-market project technically described as 7° 66.94'97" N Latitude; 122° 34.44' 67" E Longitude located at Barangays San Isidro and Little Margos, Municipality of Tungawan, Province of Zamboanga Sibugay in Region IX;
4. Tree Cutting Permit shall be secured in case trees will be affected during project implementation.
5. That during hauling/transporting, dump trucks loaded with aggregate materials shall be covered with tarpaulin canvas to prevent dust and spillages along road routes;
6. Planting of appropriate tree species shall be implemented in compliance with the Green Philippines Program. To ensure its compliance, an Information Plan should be submitted six (6) months after project implementation highlighting, the number and type of species of trees planted, area covered among others;
7. A billboard containing this message : "**Notice to the Public, This project (Rehabilitation of Junction Provincial Road Barangay San Isidro to Little Margos and Barangay San Isidro to Sitio Limanon Farm-To-Market Road)** of **(LGU Tungawan) has been issued an Environmental Compliance Certificate (ECC-RO9-1303-0039) by the Environmental Management Bureau of the Department of Environment and Natural Resources, Region IX, on (Apr 08 2013)**." This message must be installed at all entry and exit points and at all perimeters of the project facing the road to inform the general public within thirty (30) days from receipt of the certificate. A copy of the certificate shall also be posted by the Proponent at the barangay bulletin board of the affected barangays within thirty (30) days from receipt of the certificate. An accomplishment report which shall include picture verification of compliance to the posting of notices and the billboards shall be submitted to this Office within ninety (90) days from receipt of the Certificate;

CC: The Mayor- Buug, Zamboanga Sibugay
The RED DENR Region IX
The PENRO Zamboanga Sibugay

II. RESTRICTIONS

6. In case of transfer of ownership/management turn-over of this project, these same conditions and restrictions shall apply unless otherwise revised in writing. In such case, **LGU Tungawan** shall be required to notify the EMB-IX within fifteen (15) days; and

10. Pursuant to Section 9.0 of PD 1586, non-compliance with the provisions of this ECC shall be a sufficient cause for its cancellation or suspension and/or imposition of a fine in an amount not to exceed Fifty Thousand Pesos (**Php 50,000.00**) per condition thereof.

O.R. No.	: 2484570
Date	: 15 March 2013
Processing Fee	: Php 4,000.00

CC: The Mayor- Buug, Zamboanga Sibugay
The RED DENR Region IX
The PENRO- Zamboanga Sibugay
The CENRO- Zamboanga Sibugay

PROJECT ASSESSMENT PLANNING TOOL

For the assistance of the Proponent, other concerned government agencies and LGUs in the management of the project and for better coordination in mitigation on the impact of the project on its surrounding areas and to the environment.

By way of recommendation, the following have been taken notice of by the EMB-IX Region and are forwarding these recommendations to parties and authorities concerned for proper action and integration into their decision-making process.

A. Recommendations to Concerned Government Agencies/LGUs	**Concerned Permitting, Deciding, Monitoring Entities**
1. That **LGU Tungawan** shall ensure that socio-economic concerns of various stakeholders are adequately addressed.	LGU
2. That **LGU Tungawan** should implement segregation, collection, recycling and disposal mechanism for solid waste in accordance with RA 9003.	LGU
3. That adequate storm drainage canal, concrete culverts and other flood control measures need to be provided to adequately receive and channel the run-off of silt laden rainwater to the nearby receiving body of water.	NGA concerned
4. Tree Cutting Permit shall be secured in case trees will be affected during project implementation.	LGU
5. That **LGU Tungawan** should coordinate traffic management in the area affected by the project in anticipation in the growth of traffic arising from the project.	LGU
6. That temporary sanitary toilet facilities should be provided for the construction workers, and any waste should be properly disposed of so as not to cause nuisance to the immediate environment	LGU
7. That **LGU Tungawan** shall secure permits/clearances from concerned agencies and shall submit to this Office prior to project implementation	Proponent, LGU and Other Government Agencies concerned
B. Environmental Planning Recommendations for the Proponent	
1. **LGU Tungawan** shall undertake close monitoring in all stages of the project implementation to maintain a high level of environmental safety and performance efficiency and immediately address any environmental hazards.	

For dissemination and proper action of the parties concerned.

WINNIE S. RAMOS
Chief, EIAM Division

EnP SIXTO E. TOLENTINO, JR.
Regional Director

INITIAL ENVIRONMENTAL EXAMINATION (IEE) CHECKLIST FOR FOR ROADS AND BRIDGES PROJECTS

SECTION 1. REQUIRED INFORMATION

This section presents the various information required to be submitted by the project proponent as attachments to the IEE Checklist, without which the application for ECC will not be accepted.

Attachments	Remarks
☐ Topographic map (scale 1:50,000) indicating project site (road alignment, location of bridge/s, and other components etc.) and significant landmarks, or straight line diagram of the project showing water bodies and other relevant areas to be traversed vital in the evaluation of the project	
☐ Preliminary engineering design/drawings on the road, bridges and other appurtenances/components	
☐ Inventory of trees with commercial value duly certified by CENRO	
☐ Proposed schedules of activities (construction stage)	
☐ Barangay Resolution endorsing the Project/Municipal/City Council Resolution endorsing the Project/minutes of public consultation	
☐ Oath of Undertaking specifically focused on the compensation of the affected stakeholders or Deed of Donations	
☐ Accountability Statement of Project Proponent(s)	
☐ Receipt of the Processing Fee (worth Php 4,000.00)	

SECTION 2. GENERAL INFORMATION

2.1 Project Title : REHABILITATION OF JUNCTION PROVINCIAL ROAD SAN ISIDRO TO LITTLE MARGOS AND SAN ISIDRO TO SITIO LIMANON

2.2Project Location : Brgy. San Isidro, Sitio Limanon and Brgy Little Margos , Zamboanga Sibugay

(complete address, *barangay/ street/sitio/ municipality/city, province*)

2.3 Proponent Local Government Unit of Tungawan

Contact Person Randy A. Climaco

Address Mayor's Office, Libertad, Tungawan, Zamboanga Sibugay

Tel/Fax # 09273988986

E-mail _____

2.4 Project Ownership

Type of Ownership

[ ] Single Proprietorship [ ] Partnership or Joint Venture

[ ] Corporation [ ] Cooperatives

[/] Others LGU TUNGAWAN

SECTION 3. PROJECT DESCRIPTION

3.1 Project Description / Objectives

Rehabilitation/Improvement of 2500 linear meters Malungon Farm to Market Road

3.2 Implementation Scheme (BOT and its Variants)

☐ Yes ☐ No ☐ Others, pls. Specify _____

3.3 Total Length to be covered by the Project: 8.220 km.

3.4 Total Project Cost: P 48,227,496.39

Funding Source:

Philippine Rural Development Program (PRDP)

3.5 Project Components

3.5.1 Roads

Stations	Description	Length (km)	Gradient/ Slope	Material of Construction
1		0.12	2.86%	
2		0.36	1.80%	
3		0.28	9.16%	

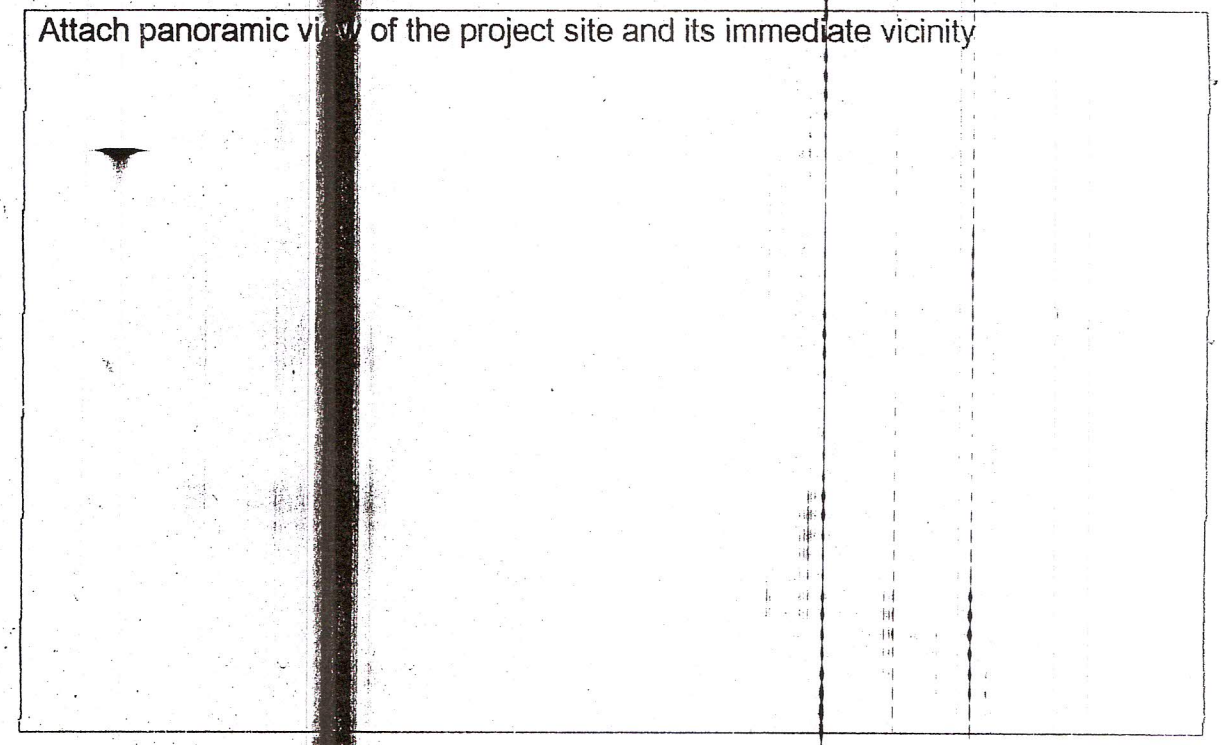
Stations	Description	Length (km)	Gradient/ Slope	Material of Construction
4		0.20	0.67%	
5		0.20	4.38%	
6		0.7	6.22	

3.5.2 Bridges

Bridge #	Name/Description	Length (Lineal M.)	No. of Spans	Design
1				
2				
3				
4				
5				
6				
7				

(note: One entry for each of the proposed bridge)

Attach panoramic view of the project site and its immediate vicinity



3.6 Manpower and Employment

How many people will be employed by the project?

During the pre-construction/construction period: 90

During the operation and maintenance period: 17

3.7 *Construction Schedule*

How long will the pre-construction/construction period take? 330 days

SECTION 4. DESCRIPTION OF PROJECT SURROUNDINGS

4.1 *Physical Environment*

Components/Parameters	Answers		Remarks
	Yes	No	
What is the general elevation of the project area? < 100 masl 100-300 masl 301-500 masl 501-1,000 masl 1001-1500 masl >1,500 masl (To determine elevation, refer to the topographic map where the elevation per contour line is indicated)	/		(indicate the area per elevation range or estimate the % to total area)
Slope and topography of the area Terrain is flat or level (0-3% slope)? Gently sloping to undulating (3-8% slope)? Undulating to rolling (8-18% slope)? Rolling to moderately steep (18-30% slope)? Steeply sloping (30-50% slope)? Very steep to mountainous (>50% slope)?	/		(indicating the area per slope category or estimate the % to total area)
Are there areas in the site where indications of soil erosion are occurring? If yes, what activities are causing erosion?	/		Causes of erosion: [/] heavy rains [ ] unstable slopes [ ] others, pls. specify _____ _____
Do you know of any landsliding occurring or that has occurred in the site?		/	Causes of landslide: [ ] earthquake [ ] unstable slopes [ ] earthmoving [ ] others, pls. specify ____n/a____ _____

Components/Parameters	Answers		Remarks
	Yes	No	
Has the area experienced any flooding during the wet season or typhoons? If yes, when was the last time the area was flooded? What caused the flooding?		/	Period(s) of flooding: _____ _____ Causes of flooding: [ ] low area/elevation [ ] poor drainage [ ] water logged area
Soil type of the area: [ ] sandy soil [/] clayey soil [ ] sandy loam soil			Other soil types: Silt loam _____
Is there an access road going to the project site? If yes, what is its distance to the site __0.12__ km	/		Type of access road: National Road
Does the site conform to the approved land use plan of the city/municipality?	/		
Are there existing structures or developments around the project site? If yes, please list them in the space below or in the opposite space.		/	

What is the present land use of the area?

[/] Prime Agriculture Land
[/] Grassland
[ ] Built-up
[ ] Others, please specify _____
[ ] Orchard
[/] Marshland/Mangrove
[/] Fishpond

4.2 Biological Environment

Components/Parameters	Answers		Remarks
	Yes	No	
Are there existing trees and other types of vegetation in the site? If yes, please provide examples.	/		Rubber tree
Are there birds and other forms of wildlife found in the area?	/		
Is the site near or within a watershed or forest reservation area? If near only, how near? _____ m or km If within, indicate name of the watershed or forest reservation area.		/	Title land

If answer is yes to the above answers, please provide examples of these species (common or local name) in the table provided below.

Birds and Other Wildlife	Trees and Other Important Vegetation	Fishery Resources
1. Crow	Rubber tree	
2. Maya	Mango	
3. Owl	Teak Wood	
4.	Coconut	
5.	Gmiilena	

4.3 Socio-Economic Environment

Components/Parameters	Total Number
Are there existing settlements in the project area? [ ] Yes [/] No If yes, how many households or families?	
What is the total population of the barangay(s) covered by the project?	1159
Average family size:	6
What are their source(s) of livelihood? Livelihood Type [/] farming [/] fishing [/] backyard poultry and piggery [/] vending / buy and sell [/] sari-sari store [ ] others, pls. specify _____ _____	

Are there existing social infrastructures in the barangay? [/] Yes [ ] No

If yes, what are these social infrastructures? (pls. Check)

[/] schools
[/] health centers/clinics
[ ] hospitals
[/] transportation
[/] communication (e.g.radio, TV, mail, newspaper)
[/] churches/chapel
[/] roads
[ ] others,

_____

SECTION 5. PREDICTED AND ASSESSED IMPACTS AND PROPOSED ENHANCEMENT/ MITIGATION MEASURES

5.1 Pre-Construction/Construction Phase

Predicted And Assessed Impacts	Answers		Proposed Enhancement/ Mitigating Measures	Remarks
	Yes	No		
Increase in noise level	/		☑ Schedule equipment move in to blend with regular non-peak hour –daytime vehicular traffic. No *night time moving* ☐ Provide barriers in work areas expected to use equipment with high noise power level	
Slope modification/ Ground levelling			☑ Minimize land modification following established design consideration.	
Increased in traffic		/	☐ Rerouting of vehicular traffic to less congested roads	Brgy. Road, Minimum vehicle only
Affects wildlife or their habitat			☐ *Plant trees/plants in nearby* areas but must not affect the structure built or its purpose. ☑ Appropriate warning signs regarding wildlife conservation	
Decreased public / community access to or through the area		/	☐ Provide access to affected establishments and minimize obstruction to area	It gives more convenient to the community
Affects other present utilities and infrastructures		/	☐ Coordinate with appropriate utility firms in relocation of their utility lines	
Increased economic activity in the area		/	☐ Implement traffic management plan ☐ Comply with city ordinance, build temporary facilities	
Displacement or *relocation of* people/community		/	☐ Proper notification of affected *areas and restore services as* quickly as possible and schedule disruption during non-peak hours ☐ Inform and compensate affected stakeholders prior to their relocation	It only pass at the *agricultural land*
Increased employment	/		☐ Hire as many locals especially those that will be displaced	Hire from the brgy. Constituents as laborer especially *those not employed*

Predicted and Assessed Impacts	Answers		Proposed Enhancement/ Mitigating Measures	Remarks
	Yes	No		
Impact on indigenous communities / vulnerable groups/ women		/	☐ Schedule activities during non-peak hours	Far from residential areas
Increased housing requirement for transient workers, project management staff?	/		☑ Provide temporary bunkhouse on site or rent houses in neighboring communities if housing requirements cannot be accommodated in the locality where the project is located	
Traverse areas with historical significance		/	☐ Report recoveries to the Local Cultural and Historical Affairs Commission, National Museum and other institution interested in the subject matter, immediately comply with pertinent laws in the matter and request supervision to the proper authority	
Increased hazards due to post-construction wastes/debris	/		☑ Provide safety equipment and appropriate warning signs along the route ☐ Provide alternative use of the construction yard/staging area once the project demobilizes	
			☐ Clear construction debris, form works and equipment and removal of all obstruction ☑ Minimize construction clutter, proper management of construction debris, provide barrier to hide	

5.2 Operation Phase

PREDICTED AND ASSESSED IMPACTS	ANSWERS		PROPOSED ENHANCEMENT/ MITIGATING MEASURES	REMARKS
	YES	NO		
Increased flooding and clogging of drainage	/		☑ Provide adequate drainage and direct flow to the nearest outflow	
Increased economic activities	/		☑ Inevitable. The LGU will have the jurisdiction to control activities in the area	It is accessible to the vendors to go in the area.
Affect wildlife or their habitat	/		☐ Plant trees/plants in nearby areas but must not affect the structure built or its purpose ☑ Appropriate warning signs regarding wildlife conservation	
Others				