

## **D – Social Assessment**

### **1. Project Beneficiaries**

There are 2,264 total beneficiaries of this subproject – 1,185 from Barangay Pamintayan and 1,079 from Barangay Bawang with a total households of 400 based on the NSO Census on Population as of 2007. Out of the total beneficiaries 1,148 or 50.71% are male and 1,116 or 49.29% are female. Majority of the beneficiaries are farmers. The proposed project has already been accepted by the beneficiaries the fact it is the fervent hope of the people in the project area that this will be realized.

A joint consultative meeting for Barangay Pamintayan & Bawang was conducted on November 6, 2012 held at the Barangay Hall of Pamintayan, Buug, Zamboanga Sibugay. During the meeting, it was unanimously recommended by the people to endorse the project – rehabilitation/upgrading of the Pamintayan-Bawang farm-to-market road – to the Municipal Development Council of Buug, Zamboanga Sibugay for funding.

The IPs (Subanens) were also consulted on November 10, 2012. Please see pictorials hereto attached as Annex F.

### **2. Indigenous Cultural Community/Indigenous Peoples (ICC/IP)**

Out of the 2,264 population in the subproject influence area, 88 or 3.87% are indigenous people (IPs - Subanen). But the Subanen people will not be affected because they are residing far from the road and their land, trees and crops will not be affected because the road is already constructed. The subproject area is not within the ancestral domain.

However, the Subanens in this barangay will benefit the project because their farm products will have also to be transported to the market and they will be passing through the Pamintayan-Bawang farm-to-market road.

Most of the Subanens residing in the subproject area are mainly coconut farmers. They intercrop corn, fruit trees, vegetables, root crops and etc. in their coconut farms. Their income are all below the poverty threshold and they are considered as poor per result of the National Household Targeting System on Poverty Reduction (NHTS-PR) recently conducted by the Department of Social Welfare and Development. During the meetings of the Municipal Tribal Council, the Subanens have brought up the issue of rehabilitating the Pamintayan-Bawang FMR because they find it hard to transport their farm products to the market. Moreover, the transportation cost of farm inputs to the subproject area is high due to the poor road condition.

A meeting of the Subanens at Barangay Pamintayan and Bawang was conducted by the Municipal Tribal Council on November 10, 2012. Among the issues and concerns discussed was the poor road condition of Pamintayan-Bawang FMR. During the meeting the group had resolved to endorse the proposed rehabilitation of the road to the Municipal Development Council of Buug, Zamboanga Sibugay for possible sourcing out of funds for the rehabilitation/upgrading of the road.

### 3. Site and Right-of-Way Acquisition

Upon verification of the records of the Office of the Municipal Assessor of Buug, Zamboanga Sibugay, the occupants of the parcels of land traversed by the Pamintayan-Bawang FMR don't have titles or tax declarations. They are just occupying or tilling the lands without official ownership so that their total landholdings could not be determined. The existing road has a carriage way of four (4) meters and one (1) meter road shoulder, both sides. The area is purely agricultural per municipal land use classification and category. Below is a table showing the name of occupants with corresponding area affected or traversed by the existing Pamintayan-Bawang FMR.

Name of Occupant	Area Affected (in Sq.m.)	Name of Barangay	Ethnic Origin
1. Habiba Ibrahim	750.00	Pamintayan	Muslim
2. Asma Dimasagka	576.00	Pamintayan	Muslim
3. Mila Dimasagka	600.00	Pamintayan	Muslim
4. Alim Ampuan	1,890.00	Pamintayan	Muslim
5. Cadir Ampuan	1,734.00	Pamintayan	Muslim
6. Ibno Abdulhakim	1,356.00	Pamintayan	Muslim
7. Agpa Amerol	3,966.00	Pamintayan	Muslim
8. Ibrahim Ampuan	1,368.00	Pamintayan	Muslim
9. Omar Diacaria	432.00	Pamintayan	Muslim
10. Ibno Abdulhakim	1,188.00	Pamintayan	Muslim
11. Hadji Ibrahim	744.00	Pamintayan	Muslim
12. Nasser Papaki	906.00	Pamintayan	Muslim
13. Ting Lingga	894.00	Bawang	Muslim
14. Caise Ampuan	2,916.00	Bawang	Muslim
15. Antonio Dahuya	1,500.00	Bawang	Cebuano
16. Luminada Lampayan	900.00	Bawang	Cebuano
<b>Total</b>	<b>21,720.00</b>		

To signify that these occupants have given their consent in utilizing their portion of land as farm-to-market road they have signed a **waiver-of-rights** which are hereto attached as Annex D.

The total area of Pamintayan-Bawang farm-to-market road is 21,720 sq.m. The total area occupied by the affected persons indicated above totaled to 21,720 sq.m. All these occupants were present during the consultative meeting held on November 6, 2012 at Barangay Hall. Lot occupants who are out of town during the meeting have sent their respective representatives and signified their willingness to support the project.

### 4. Damage to Standing Crops, Houses and/or Properties

In the implementation of the rehabilitation/upgrading of Pamintayan-Bawang FMR there will be crops and trees that will be damaged because the road has been constructed in the 1970s and from then on it was not maintained so that the owners of the lot traversed by the road thought that the road is already abandoned and that they planted trees and crops in the area specifically along the road shoulders.

**5. Physical Displacement of Persons**

The proposed project will not result in the relocation of houses.

**6. Economic Displacement of Persons**

Being an existing road, the project will not cause any loss of livelihood or reduced access of families to their traditional livelihood sources.

## E – Environmental Safeguard Aspects

### 1. Natural habitat

The area traversed by Pamintayan-Bawang farm-to-market road is purely agricultural. The vegetations along the road area shrubs and grasses. The area traversed by the road is planted with coconut, rubber, banana, corn, gmelina trees and lanzones. Birds (maya) are the only wildlife present in the area. The water source is far from the road. The project is not situated within officially declared or proposed protected area of natural habitat.

### 2. Physical Cultural Resources

There are no structures, monuments or physical cultural resources in the subproject site. The project will not also change any or impact any landscape thereat.

### 3. Terrain, Soil Types and Rainfall

The subproject area has an undulating to rolling slope ranging from 8%-18%. The soil type of the existing road is loam. The area has a Type IV climate under coronas classification by PAGASA or Philippine Atmospheric Geophysical and Astronomical Services Administration. This type of climate is characterized by rainfall, more or less, evenly distributed throughout the year. However, low rainfall rates occur during the month of January and February with the rate of 50-100 mm/month. The highest rainfall occurs in the month of June, August and September with 300 to 400 mm/month.

Rainfall Pattern:

January	50-100 mm/month	July	200-300 mm/month
February	50-100 mm/month	August	300-400 mm/month
March	100-200 mm/month	September	300-400 mm/month
April	100-200 mm/month	October	200-300 mm/month
May	200-300 mm/month	November	200-300 mm/month
June	300-400 mm/month	December	100-200 mm/month

### 4. Drainage, Siltation and Flooding Potential

There are rivers at stations 0+950 and 1+870 which during rainy season will overflow and will cause flooding in the area. In the proposed subproject, two (2) spillways of seven (7) linear meters each will be constructed to prevent flooding during heavy rains.

## 5. Impacts During Construction

The civil works that shall be done in the project are:

- 1) Item 102(2) – Surplus Common Excavation
- 2) Item 102(3) – Surplus Rock Excavation
- 3) Item 103(1) Structure Excavation
- 4) Item 103(3) – Foundation Fill
- 5) Item 103(6) – Pipe Culvert and Drain Excavation
- 6) Item 104(1) – Embankment
- 7) Item 105(1) – Sub-grade Preparation
- 8) Item 200 – Aggregate Sub-base Course
- 9) Item 201 – Aggregate Base Course
- 10) Item 311 – PCCP Concrete Pavement
- 11) Item 505(5a) – Grouted Riprap, Line Canal
- 12) Item 500(1a) – Pipe Culverts 910mmØ (36Ø) 4000 psi class “A”
- 13) Item 506 (1a) – Stone Masonry  
Two (2) unit – 7-line, 24”Ø Spillway
- 14) Item 404 – Reinforcing Steel Bars
- 15) Item 405 – Structural Concrete
- 16) Item 500(1b) – Pipe Culverts 610mmØ (24”Ø) 4000psi class “A”
- 17) Item 506 (1b) – Stone Masonry
- 18) Item 508 – Hand Laid Rock Embankment

Surplus common and rock excavation will be disposed on site to widen the road.

A temporary warehouse shall be constructed for the construction materials and a base camp/bunkhouse shall also be constructed for the construction workers/employees at the barangay-owned lot of Barangay Pamintayan.

- a. Temporary erosion and sediment control.

Earthmoving/cutting of slopes shall be done during dry months and proper disposal and compaction of spoils shall likewise be made.


- b. Construction noise mitigation


There is no need to establish noise mitigation measures because the subproject doesn't traverse a populated area. Houses are situated far from the road.

- c. Proper handling of construction wastes

There will be no significant amount of waste oil/grease. Adequate latrine/toilet facility shall be set up at the base camp.

Noted by the local community:

  
ABDUL K. DIMASAGKA  
Punong Barangay, Pamintayan

  
ROQUE A. SAMONTE  
Punong Barangay, Bawang

Endorsed By:

  
HON. JONAM R. LAGAS  
Municipal Mayor

Abandonment Phase

The project life or service of the farm-to-market road is 20 years. After the life or service of the farm-to-market road that is after the 20<sup>th</sup> year, the road must have to upgraded and rehabilitated again to make it passable.

Status of ECC application: The Environmental Compliance Certificate is hereto  
attach as Annex "F"



**ENVIRONMENTAL COMPLIANCE COMMITMENT**

(Issued under Presidential decree 1586)

ECC-RIX-1211-0081

THIS IS TO CERTIFY THAT PROPONENT Local Government Unit of Buug represented by its Municipality Mayor, **Hon. Jonam R. Lagas** is granted this Environmental Compliance Commitment (ECC), for the **Rehabilitation/Upgrading of Pamintayan- Bawang Farm to Market Road project**, located at **Barangays Pamintayan and Bawang, Municipality of Buug, Province of Zamboanga Sibugay** by the Department of Environment and Natural Resources (DENR), through the Environmental Management Bureau, Region IX.

MR

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

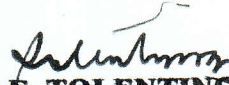
PROJECT DESCRIPTION

The proposed **Rehabilitation/Upgrading of Pamintayan- Bawang Farm to Market project**, with a total length of **3.620 kilometers** is located at **Barangays Pamintayan and Bawang, Municipality of Buug, 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 DEC 03 2012

Approved by:

  
**EnP SIXTO E. TOLENTINO, JR.**  
 Regional Director

Recommending Approval:

  
**WINNIE S. RAMOS**  
 Chief, EIA Division

ECC-RO9-1211-0081  
 LGU- Buug

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

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