

Philippine Rural Development Program

Executive Summary

- A. Project Title : Rehabilitation of Brgy. Gomez to Brgy. Zamora Farm to Market Road
- B. Project Location : Brgy. Gomez & Brgy. Zamora, Pontevedra, Negros Occidental
- C. Project Type : Rural Access
- D. Project Scale/Dimension : 3.26 kms
- E. Project Proponent : Provincial Government of Negros Occidental
- F. Implementing Unit : Provincial Engineers Office, Negros Occidental
- G. Present Population : 48,629(2013)
- H. Total No. of Brgys. of the Mun. : 20
- I. Mode of Implementation : By contract
- J. Road Influence Area (RIA) : 595 hectares

Barangay	No. of has.	Crop
Gomez	5 390 23	Sugarcane (muscovado) Sugarcane (raw sugar) Riceland
Zamora	5 170 2	Sugarcane (muscovado) Sugarcane (raw sugar) Riceland
Total	10 560 25	Sugarcane (muscovado) Sugarcane (raw sugar) Riceland

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|--------------------------|---|-------|--------|--------------|
| K. Project Beneficiaries | : | Gomez | Zamora | Total |
| Total Population | | 887 | 1,145 | 2,032 |
| Male | | 465 | 589 | 1,054 |
| Female | | 422 | 556 | 978 |
| No. of Households | | 217 | 218 | 435 |

- L. Total Project Cost and : **Php45,112,939.49**

Cost Sharing

WB Loan Proceeds(80%): Php36,09,351.59

WB –GOP (10%): Php 4,511,293.95

LGU Equity (10%): Php 4,511,293.95

M	Economic Viability Indicators		ENPV:Php41,902,550.39 EIRR: 28.4% BCR: 2.03
N	Conclusion and Recommendations		The project will be accepted because it generates a positive Economic Net Present Value (ENPV), its Economic Internal Rate of Return (EIRR) is greater than 15%, and its Benefit-Cost ratio is greater than 1.

a. Social Analysis

i. Subproject Beneficiaries

Residents of Barangay Gomez and Zamora are the direct beneficiaries of the proposed subproject. Barangay Gomez has a total population of 887 with 217 households, while Barangay Zamora has 1,145 population with 218 households. Farming is the main source of livelihood for both barangays composed of farmers, agrarian reform beneficiaries and laborers with sugarcane as the dominant crop.

The Municipality of Pontevedra under which the proposed subproject is located had submitted a Letter of Intent aimed toward availing of the Farm to Market Road project to be undertaken through the joint effort of the Department of Agriculture (DA) and the Philippine Rural Development Project (PRDP). Under the said joint effort, PRDP aims to implement measures that will help increase the farmer's income in agri-fishery as well as to create a more market-oriented and climate resilient agriculture. As part of assessment of the proponent, one of the constraints that hindered the economic growth in the area is the existence of poor road condition which contributes to high cost of maintenance of vehicles which resulted to high transport cost. The existing road condition is an all-weather road which is difficult to traverse during rainy season from any type of public utility vehicles except for carts and four wheel drive vehicles or trucking which is used for hauling inputs for farm production and loads of sugarcane during harvest season.

The PPMIU-Neg. Occ. conducted a joint consultation meeting last December 6, 2014 consolidating the two barangays with the presence of the Municipal Mayor, Brgy. Officials, Municipal Engineer, Municipal Planning Development Officer and Municipal Agriculture Officer. The registered attendee totals to 115 comprising the identified project affected persons from Brgy. Gomez and Brgy. Zamora. The meeting includes the discussion of the acquisition of the road-

right-of-way. It was also emphasized the rights of the project affected persons regarding their affected properties. All PAPs decided to voluntarily waive their rights over the affected properties. As to the affected trees, a cutting tree permit will be secured from the DENR by the Municipality of Pontevedra. With the presence of women during consultation it was learned that the difficulty in accessing livelihood opportunities is their main problem due to high fare rates and vehicle scarcity brought about by poor road condition.

Table 7: Sub-project Beneficiaries

Name of Puroks Covered	Male	Female	No. of Households	Population
I. Brgy. Gomez				
1. Purok 1	133	114	69	247
2. Purok 2	128	113	55	241
3. Purok 3	111	100	47	211
4. Purok 4	93	95	46	188
<i>Subtotal</i>	465	422	217	887
II. Brgy. Zamora				
5. Purok 1	236	234	82	470
6. Purok 2	91	72	37	163
7. Purok 3	176	174	64	350
8. Purok 4	86	76	35	162
<i>Subtotal</i>	589	556	218	1,145
GRAND TOTAL	1,054	978	435	2,032

Source: MPDO, Pontevedra, 2014

The project is essential in influencing economic and social development of the target barangay. With the construction of farm-to-market road the residents can effectively drive the socio-economic development of their locality and feel more included in the national level interventions. The project will bring many benefits for the local residents and these include access to education and health facilities and improved socio-economic activities.

ii. Indigenous Cultural Community/Indigenous Peoples (ICC/IP) –

The proposed Farm-to-Market road project does not encroach upon any Indigenous Cultural Community/Indigenous Peoples (ICC/IP), thus, there is no problem with the proposed construction and rehabilitation of the said Farm-to-Market Road in as far as indigenous people's sector is concerned. A Certification of Non-Overlap (CNO) was already requested from NCIP.

Likewise a certification from the Local Chief Executive and Punong Barangays will be secured as additional proof of the absence to IP's in the area.

iii. Site and Right-of-Way acquisition –

Road Right of Way in this proposed Farm-to-Market road is not a problem for this is owned by the Municipality of Pontevedra. An Original Transfer Certificate Title with Lot No. 471-569 and Lot No. 471-567 is hereby attached. Some portion of which was voluntarily given to various beneficiaries of the two barangays as easement property. *(See Attached copy of DAR certification issued to this effect and Original land Titles.)*

A public consultation was conducted with the Local Chief Executive of the Municipality of Pontevedra being present regarding road right of way and survey of PAP's. The current road network is a mixture of gravel and earth where light vehicles are incapable to traverse particularly during rainy season. DAR issued a certification that a 10-meter road right of way was excluded during easement of public property but the existing formation width is 7 meters, thereby there are PAPs identified for there are still properties and trees that encroached the existing road. The proposed formation width is 10 meters with a 5 meter carriageway, a 1.5 shoulders and 1.0 meter ditch on both sides. Waiver of Quit Claims for project affected properties and trees have been signed by the PAPs waiving their rights for any compensation to this effect.

iv. Damage to standing crops, houses and/or properties

Since this is an existing provincial road, damage to standing crops, houses and /or properties are listed in Annex G-Form 2 where each project affected persons waived their rights for any encumbrances by signing Waiver of Quit Claims for they themselves will benefit from the said project. Entitlement survey showed that there are number of exotic forest trees which are the results of the previous tree planting program of the local government unit but was turned-over to the residents of the community for safeguarding purposes.

A total of 269 exotic trees were identified to have encroached the proposed road but have been waived for as soon as a Tree Cutting permit will be issued, this will be cut and will be given to those who planted these trees. There are also 112 fruit trees that were identified within the 10 meters width of the road project. Affected crops like sugarcane, bananas and pineapple that were identified to encroach the proposed FMR were voluntarily waived by the owner for they are aware that the lot where they planted is still part of the retention area of the provincial road.

As to properties, there are bamboo fences, portions of 3 houses and 3 sari sari stores that will be damaged or encroached the road carriageway. A Waiver of Quit Claim had been signed by PAP's who voluntarily surrender their rights on affected trees, properties and crops. For the concrete store to be demolished there was an internal agreement between the Local Government Unit of Pontevedra and the owners as to the compensation of the damaged property.

Two (2) electrical posts from the electric cooperative and seven (7) electrical posts financed by the barangay will be transferred for it is located within the 10 meters road width. The barangay head will be responsible for the transfer of the said electrical posts upon construction of the sub-project. Affected properties are summarized in the table below:

Table _8_: Damage to standing crops, houses and/or properties

No.	Name of affected person	Crops Affected		Structure Affected	
		<i>Crops</i>	<i>Entitlement</i>	<i>Structure</i>	<i>Entitlement</i>
1	Flores, Patrocenio	Sugarcane; Fruit trees-5, trees-39	Waiver		
2	Flores, Jose	Trees-9	Waiver	Electrical post	To be transferred
3	Burgos, Paz	Fruit trees-4, trees-5	Waiver	Fence/Sari-sari store	Donation
4	Rodriguez, Socorro	Tree-1	Waiver	Bamboo terrace	Waiver
5	Flores, Pablito	Fruit trees-4	Waiver		
6	Dionela, Teresita	Fruit trees-3, trees-4	Waiver	Fence	Waiver
7	Eraga, Dionisio	Fruit trees-3, trees-2	Waiver		
8	Lardino, Henry			House	Waiver
9	Trono, John Benny	Trees-11		House	Waiver
10	Taquipan, Brenda			Deep well	Waiver
11	Esmeralda, Nick	Fruit tree-1, trees-5	Waiver		
12	Gomez Elementary School	Fruit tree-3, trees-21	Waiver		
13	Esparagosa, Jeffrey	Fruit tree-1, tree-1	Waiver		
14	Gelisanga, Lian May	Fruit trees-3, trees-5	Waiver	Fence/sari-sari store	Waiver
15	Jerry Trujillo	Fruit trees-2, trees-4	Waiver	Fence	Waiver
16	Aberia, Rey	Tree-1	Waiver		
17	Aberia, Rene	Fruit trees-10, trees, 14	Waiver		
18	Aberia, Samuel	Fruit trees-7, trees-3	Waiver		
19	Sarion, Angeles	Sugarcane, Fruit trees-5, tree-1	Waiver		
20	Aberia, Jessie	Banana, Fruit trees-2	Waiver	Fence	
21	Aberia, Jesus	Fruit trees-3	Waiver		
22	Coronica, Napoleon Otis	Fruit tree-1, trees-22	Waiver		

23	Bais, Joel Sr.	Fruit trees-6, trees-11	Waiver		
24	Bais, Joel Jr.	Trees-6	Waiver	House/fence	Waiver
25	Baylon, Jimmy	Fruit trees-6, trees-11	Waiver		
26	Flores, Romeo, Jr	Fruit trees-2, trees-5	Waiver		
27	Agupo, Jaime	Trees-6	Waiver		
28	Catague, Antonio	Fruit tree-1, trees-5	Waiver		
29	Catague, Joel	Tree-1	Waiver		
30	Salustiano, Danilo	Fruit trees-2, trees-9	Waiver		
31	Casiple, Bernardo	Trees-19	Waiver	Fence	Waiver
32	Flores, Hernani	Fruit trees-4, trees-5	Waiver		
33	Lardino, Joemarie	Fruit trees-8, trees-3	Waiver		
34	Dionela, Reynaldo	Banana, Fruit trees-2, trees-7	Waiver		
35	Flores, Herminio	Fruit trees-4	Waiver		
36	Alisbo, Ricarido	Trees-21	Waiver	Fence	Waiver
37	Luces , Rafael	Trees-8	Waiver		
38	Corgos, NoemeAberia	Fruit trees-3, trees-11	Waiver	Store	Waiver
39	Nelly Bervo	Fruit trees-2	Waiver		
40	Dionela, Aracel1	Sugarcane	Waiver		
41	Zenaida Ortega	Fruit trees-4, trees-3	Waiver		
42	GenovevaSariana	Fruit trees-2, tree-1	Waiver		
43	ArnelGargoles	Sugarcane	Waiver		
44	Jugado, Obello (boy)			Fence	Waiver
Total		Fruit Trees-112; Trees-269			

v. Physical displacement of persons

No displacement of persons/properties or relocation of houses of the farmers/residents for this proposed sub-project will occur because this is an existing 10 meter road width converted into provincial road and have been used for years by the residents.

vi. Economic displacement of persons

The proposed subproject will provide more livelihood opportunities for the residents as well as the whole community of Barangays Gomez and Zamora. Economic displacement of persons is not a problem in this proposed rehabilitation. Though there are three sari-sari stores

that will be affected by this proposed project this will not adversely affect their livelihood since only portion of the said property will be demolished and proper compensation had been granted. The concreting of this subproject will result to more economic benefits for the majority of the residents and land owners for they will be able to increase their land area for agricultural production due to lower hauling cost of inputs and outputs being brought by the concreting of their road network.

vii. Grievance Redress Mechanism

The grievance redress mechanism is an integral project management element that intends to seek feedback from beneficiaries and resolve of complaints on project activities and performance. This is to ensure the public within the project influence are aware of their rights to access, and shall have access to the mechanism free of administrative and legal charges; that these rights and interests are protected from poor project performance, especially of beneficiaries and/or affected persons and any concerns arising from project performance in all phases are addressed effectively.

The PPMIU- Negros Occidental through Executive Order nominated its Grievance Point person who will be responsible for the initial screening of feedbacks and complaints, organize preliminary meetings with concerned parties to establish critical path to resolution. There will also be point person to be appointed at the municipal and barangay level to immediately address complaints from the PAPs and provide feedback to the PPMIU for appropriate action.

e. Environmental Analysis

i. Natural Habitat

The proposed subproject is located at Brgy. Gomez and Zamora of the Municipality of Pontevedra. These barangays is located 17 kilometers away from the Poblacion and is not part of the protected natural park of the province. Since there are communities within the road influence area, no wildlife habitat is existent in the area. The lot area is characterized by the presence of sugarcane farms and other agricultural crops like corn, fruits trees and other forage grasses for ruminant grazing. Exotic forest tree species mostly Gemelina and Mahogany are present in the area which has been planted by the local government of Pontevedra 10 years ago lining on the road sub-project. Endemic species of trees are unknown in the road influence area. No major waterways e.g. river or lake being found in the vicinity of the road network except for some small creeks that occurs during rainy season to accommodate rainfall excess water.

The proposed project will be utilizing the existing rugged road accessible only to four wheel drive vehicles and is basically earth being maintained by the provincial government.

ii. Physical/ Cultural Resources

Since the proposed road project is an existing provincial road, it does not traverse any cultural property nor any declared cultural heritage or ancestral domain. If ever there are Chance Find in the future a committee from the local government is created in coordination with the Contractor implementing the project to evaluate and report to the proper authorities. The contractor is required to secure the area, take photographs of the artifacts with or without the LGU contract administrator or representative and report finds to PPMIU, RPCO SES Officer and to the National Museum.

iii. Terrain, Soil Types and Rainfall

With a total land area of 11,353.6231 hectares, 7.38% of which is occupied by the subproject area and the terrain is hilly and rolling. The soil classification of the Municipality of Pontevedra particularly in the subproject barangay is composed of the following: Guimbalaon Clay, Manapla Loam, La Carlota Clay Loam, La Castellana Clay Loam, Isabela Clay and Silay Clay. It has 2 distinct seasons, the dry season which occurs from January to April and the rest of the year is considered the wet season. The average rainfall is 1200 mm.

iv. Hazard/Risk Assessment

The subproject farm to market road lies on a natural rolling terrain, and presence of hills from left to right. Run-off water has been considered as one of the factors that will greatly affect the efficiency of the drainage system. It has been observed as one of the leading causes of road failures in the area thus, several road-cuts can be detected in the area. During heavy downpour which usually happens just after cultivation of farm, loose soil are carried-off by running water which will eventually clog earth ditches along the road and subsequently flow over the ditches and erodes gravel fill on the road, thereby destroying the road. Since these two barangays are located in rolling and hilly terrain, flooding within the community is not a problem for excess water are readily absorbed due to its soil classification at the same time the presence of decade old trees that abounds in the vicinity.

Reinforced Concrete Pipe Culvert (RCPC) with 910 mm diameter, are located at stations 58+922, 59+382, 60+362.58, 60+450, 60+702, 60+945, 61+012.95, 61+202, 60+340, 61+401.35, 61+752.07, and 61+860.36. In addition, Reinforced Concrete Pipe Culvert (RCPC) with 1220 mm diameter are located at stations 59+887.50, 60+969.73, 61+284.65, and 61+993.18.

Road Signs are situated at stations 59+320(right side), 59+460(left side), 60+900(right side), 60+980(left side), 59+270(right side), 59+510(left side), 60+880(right side), and 61+020(left side). We also do have Slope Protections at stations 60+964.73 – 60+974.73(left side), 60+950.01 – 60+980.01(right side) and 61+993.13 – for Reinforced Concrete Pipe Culvert (1220 mm).

v. Status of IPM/DA Kasalikahan

The Municipal Agriculture Office with the Provincial Government agriculturists is conducting a Farmers Field School in the area to strengthen the Integrated Pest Management (IPM) on the adverse effect of pesticide use on agricultural crops and its effect to human health. IPM is an effective and environmentally sensitive approach to pest management that relies on a combination of common sense practices. This uses current, comprehensive information on the life cycles of pests and their interaction with the environment. This information in combination with available pest control methods used to manage pest damage by the most economical means, and with the least possible hazard to people, property and the environment.

The IPM approach can be applied to both agricultural and non-agricultural settings such as home, garden and workplace. It takes advantage of all appropriate pest management options including but not limited to the judicious use of pesticides. IPM is not a single pest control but a series of pest management evaluations, decisions and controls.

vi. Status of environmental clearances –CNC/ECC

With a total length of 3.26 kilometer- road rehabilitation and with 10 meters existing road width, an IEE/PEMAPS is being prepared for submission to the DENR-EMB for the issuance of Environmental Compliance Certificate. A tree cutting permit is also sought from the Department of Environment and Natural Resources prior to cutting of trees that are in the vicinity of the road project. The quarry source is in Brgy. Atipuloan in Bago City and whatever excess waste from cut and fill, the municipal government of Pontevedra will be responsible for its dumping site. Attached is the certification from the Local Chief Executive as to the availability of the dumping site for any excess excavation during construction. For now they are planning to haul these materials at their own expense in the reclamation of the municipality which is 22 kilometers away from the project site. The contractor is required to put up a batching plant more or less 0.5 to 1.0 kilometer away from the project site and this should be away from the residential areas or densely populated areas.

vii. Social and Environmental Impacts – attach ESMP

With the implementation of this proposed 3.26 km. road project in Brgy Gomez to Brgy. Zamora into a concrete paved road will bring about developmental changes to the benefit of the Municipality of Pontevedra. This will create employment opportunity for the residents, reduce hauling cost of farm inputs and outputs, reduce travel time of the residents and spur economic activities in the community. Market value of agricultural land will now increase thereby increasing real estate taxes to be paid by the land owners. Crop diversification can now be promoted or integrated crop-livestock farming can now be introduced since trading posts or centers are now accessible.