

D. Social Assessment

6. 1 Project Beneficiaries

There are 2,268 total beneficiaries of this subproject, 1,997 from Barangay San Isidro and 1,079 from Barangay Little Margos with a total households of 504 based on the NSO Census on Population as of 2007. Out of the total beneficiaries 1,191 or 52.50 % are male and 1,077 or 47.50% are female.

Majority of the beneficiaries are farmers. The proposed project is welcomed and accepted by the beneficiaries. The people in the project area have hope that this will finally be realized.

A consultative meeting in Barangay San Isidro was conducted on April 10, 2013 (Wednesday) and attended by the beneficiaries coming from the Barangay itself and the barangay of Little Margos. During the meeting, it was unanimously recommended by the people to endorse the project – Rehabilitation of the Junction Provincial Road - San Isidro -Little Margos and Junction San Isidro-Limanon Farm to Market road to the Municipal Development Council of Tungawan, ZamboangaSibugay for the requisite funding. Annex A

6. 2 Indigenous Cultural Community/Indigenous Peoples (ICC/IP)

The project is located outside any ancestral domain.

Out of the 2,268 population of this subproject influence area, 52 individuals are indigenous people belonging to the Subanen Tribe. Majority are farmers.

Upon consultation conducted, the Subanens have expressed their gratitude and conformance to the Barangay and Municipal Officials of Tungawan to the planned Implementation of the subproject. A Letter of thanks coming from this tribal group is attached duly signed by all concerned individuals. The Municipal also attached Certificate of Non- Overlap (CNO) from National Commission for Indigenous People (NCIP) Annex B.

6. 3 Site and Right-of-Way acquisition.

The occupants of the parcels of land traversed by the FMR are all Integrated Social Forest (ISF) Lands. The title of their lot are still being processed. They, however, exercise rights over their land parcels through actual occupancy and tilling the lands despite the absence of official ownership.

The area is generally agricultural per municipal land use classification and category. Along the proposed road are intermittent built areas. Below is a table showing the name of occupants with the corresponding area affected or traversed by the existing FMR.

Table 8. Name of Occupants and Area Affected

BRGY. SAN ISIDRO					
LEGEND	STATION		LAND OWNER	LAND AREA IN SQ.M	LAND DONATED IN SQ.M
1	00+000	- 00+161	ERNESTO VILLANUEVA	40,000	1,610
2	00+161	- 00+348	VINANCIO BAYO	40,000	1,870
3	00+348	- 00+482	JULIUS MEPARANUM	20,000	1,340
4	00+482	- 00+777	RENE UMPAD	40,000	2,950
5	00+777	- 00+870	MARIO DUHILAG	40,000	930
6	00+870	- 01+255	GIL SALDON	20,000	3,850
7	01+255	- 01+347	RENE AMATO	20,000	920
8	01+347	- 01+393	BOBBY AMATO	70,000	460
9	01+393	- 01+833	MARIO DUHILAG	40,000	4,400
10	01+833	- 01+925	ANECITO VIOS	40,000	920
11	01+925	- 01+992	RODRIGO A. AMOR	30,500	670
12	01+992	- 02+092	ANECITO VIOS	40,000	1,000
13	02+092	- 02+139	ROGELIO BUCA	70,000	470
14	02+139	- 02+194	ROGELIO BUCA	70,000	550
15	02+194	- 02+552	RENE AMATO	2,000	358
16	02+552	- 03+022	BOBBY AMATO	70,000	4,700
17	03+022	- 03+094	ROGELIO BUCA	70,000	720
18	03+094	- 03+201	ANECITO VIOS	40,000	1,070
BRGY. LITTLE MARGOS					
LEGEND	STATION		LAND OWNER	LAND AREA IN SQ.M	LAND DONATED IN SQ.M
19	03+201	- 03+383	ANECITO VIOS	30,500	1,820
20	03+383	- 03+763	WARLITO SUMAMPONG	40,000	3,800
21	03+763	- 04+076	MONICO ALIA SR.	40,000	3,130
22	04+076	- 04+316	JESIREE EMBARNACE	40,000	2,400
23	04+316	- 04+371	MONICO ALIA SR.	40,000	550
24	04+371	- 04+454	GAUDISO VILLA SR.	70,000	830
25	04+454	- 04+650	ALEXANDER VILLAMOR	40,000	1,960
26	04+650	- 04+931	GAUDISO VILLA SR.	70,000	2,810
27	04+931	- 04+989	CELESTINO D. NAZARENO	70,000	580
28	04+989	- 05+522	GAUDISO VILLA SR.	50,000	5,330
BRGY. SAN ISIDRO, SITIO LIMANON					
LEGEND	STATION		LAND OWNER	LAND AREA IN SQ.M	LAND DONATED IN SQ.M
1	00+000	- 00+127	GIL SALDON	20,000.00	1,270
2	00+127	- 00+433	MARIANO JUMAWAN	20,000.00	3,060
3	00+433	- 00+703	JESUS FLORES	40,000.00	3,700
4	00+703	- 01+092	JESUS SOLON	80,000.00	3,890
5	01+092	- 01+192	NORMA LORESCO	40,000.00	1,000
6	01+192	- 01+252	AGUSTIN LAPINIG	40,000.00	600
7	01+252	- 01+283	WILFREDO PATOLOMBON	40,000.00	310
8	01+283	- 01+410	ALLAN VILLASENCIO	20,000.00	1,270
9	01+410	- 01+561	JOEL MAKIGANGAY	20,000.00	1,510
10	01+561	- 01+711	ADRIANO VILLASENCIO	40,000.00	1,500
11	01+711	- 01+801	CONSTANCIO CAMPUNGAN	20,000.00	900
12	01+801	- 01+813	JIMMY VILLASENCIO	80,000.00	120
13	01+813	- 01+969	JOBE SEGUALAN	20,000.00	1,560
14	01+969	- 02+119	ADO OGOC	10,000.00	2,300
15	02+119	- 02+272	LEVERICO CALAGAHAN	20,000.00	1,530
16	02+272	- 02+427	BOBONG CABONELAS	40,000.00	1,550
17	02+427	- 02+706	SEVERINO ONDALOC	20,000.00	2,790

To signify that these occupants have given their consent in utilizing their portion of land affected by the proposed farm-to-market road, they have signed the entitlement survey together with their respective Deed of Donations, hereto attached to the FS.

The total area of the proposed road rehabilitation, given an average width of the ROW at 8.0 meters, is 65,760 square meters. The total area occupied by the affected persons indicated above totaled to 21,439 sq.m. The remaining 44,321 square meters is considered as an assured ROW considering that portions of the road is already existing.

All these occupants were present during the consultative meeting held on April 10, 2013 (Wednesday) at Barangay San Isidro. Lot occupants who are out of town during the meeting have sent their respective representatives and signified their willingness to support the proposed road.

6. 4 Damage to standing crops, houses and/or properties.

The rehabilitation of the Junction Provincial Road- San Isidro-Little Margos Section will not affect any major structures. Ample setbacks of houses/structures were provided. The road has existed for so many years already.

However, on the section Junction San Isidro- SitioLimanon, the Road Right of Way needed will affect approximately three (2) wooden and Bamboo Fences of Mrs. Layla Flores at STA. 00+000 and Mrs. Esnaira G. Flores at STA. 00+020. The affected structure owners have already signified their willingness to move these structures within the interior of their respective lots outside the limits of ROW during construction provided that the cost of relocation be shouldered by the project. Attached the written agreement between the owner of the fence and the brgy. Council Annex D. There were no trees (coconut, mango, hard wood, etc.) will be cut. Thus the permit to cut will be not needed. To rest assured the municipal support staff conduct geotag to the propose sub project for references.

6. 5Physical displacement of persons

The proposed project will not result in the relocation of houses and will not displaced any persons.

6. 6Economic 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 Considerations

7. 1 Natural habitat

The proposed subproject will traverse an existing road of the Municipality and barangay roads for which the land use is for infrastructure utilities or road as reflected on Comprehensive Land Use Plan of the Municipality. The vegetation covered there are coconut, mango. Likewise, the site is not inside an officially declared or proposed protected area for natural habitat.

7. 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.

7. 3 Terrain, Soil Types and Rainfall

The types of soil within the project area its capability and qualities are basically important in the planning of land use. There are four (4) types of soil classified as:

- | | |
|-----------------------|-------------------------|
| 1. Antipolo Clay Loam | 3. Hydrosol |
| 2. Faraon Clay Loam | 4. San Manuel Silt Loam |

The area is classified as a Type 1 Philippine Weather classification with a heavily pronounced dry and wet season. The dry season starts in November to April while the wet season is in the months of May-October. Peak months for heavy rains usually occur during months of June-September with rainfall intensity of as much as 400 mm per month.

Given the soil and weather classification, the potential for sedimentation and erosion is high. Correspondingly, the design of the subproject includes the adoption of higher ratio of the horizontal

to vertical on side and back slopes of the roadway sections, the incorporation of stone masonry slope protection works, concrete pavement on road grades of more than 12% and provision of lined canals and wing walls and headwalls at location of reinforced Concrete pipe culverts. Basically these measures are observed as they are well incorporated in the Rural Infrastructure Operations Manual of PRDP.

7.1 Hazard/Risk Assessment (Drainage Situations, Erosion and Flooding Potential)

7.4 Drainage Situations and Flooding Potential

Storm water run off will increase as a result of a wider span of cleared area for the ROW and the increase of run off coefficient. Flooding on the road surface is mitigated by the introduction of road cambers leading the runoff immediately outside of the roadway to the intercepting canals and drainage outlets. To minimize the increase of the quantity of flows on the receiving streams and rivers, appropriate flooding measures such as planting of trees and vegetation on riverbanks and to lessen the stream flow by way of infiltration. Impacts during Construction:

(a) Temporary erosion and sediment control

Erosion and sediment control in construction areas will prevent sediment discharge to nearby streams and lakes. Areas cleared of vegetation for construction and roadway development should be minimized and slopes should be stabilized. Overland drainage should be controlled to prevent channeling and sediment transport by diverting flows from areas where soils are exposed, and/or by providing filter barriers or settling basins to remove sediment before the runoff is discharged to surface waters.

(b) Construction noise mitigation

There are houses and establishments along and nearby the construction site especially along the built areas. The construction involves the operation of heavy equipment and will undoubtedly generate loud noise. As a mitigating measures work activities should be avoided during quiet periods of the day (Night time).

(d) Proper handling of construction wastes

The subproject will entail surplus common excavation. Disposal site have been identified to haul these surpluses outside of the limits of the road right of way. This will minimize the amount of site litters and will prevent the indiscriminate dumping of surpluses along the roadside. Assurances is made by the LGU that these wastes will be collected and properly disposed of in accordance with government regulations.

(e) Safety

Safety of workers and the public must be given priority. Standard construction safety protocols must be observed, such as posting of road signs.

7.2 Status of ECC application, tree cutting permit

This application for Environmental Compliance Certificate have been issued by the office of the Department of the Environment and Natural Resources (DENR) through the Environment and Management Bureau (EMB) with certificate Number ECC-R1X-1303-0039 dated April 08, 2013.