

**INITIAL ENVIRONMENTAL EXAMINATION REPORT  
REHABILITATION/UPGRADING OF FARM TO MARKET ROAD (FMR)**

**PROJECT FACT SHEET**

Project Name : **UPGRADING OF FARM TO MARKET ROAD**

Project Location : Union, Cabagan, Isabela and Camasi, Tumauni, Isabela  
Isabela

Total Project Length : 4.93- Kilometers

Footprint Area : 40,000 square meters

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## I. PROJECT DESCRIPTION

1.1.Location : Union, Cabagan, Isabela  
: Camasi, Tumauni Isabela

1.1.1 Refer to extracted topographic map showing exact location of the proposed farm to market road marked as Annex "A"

1.1.2 Captioned photographs of the proposed rehabilitation/upgrading of farm to market road marked as Annex" B"

1.2 Total Length (FMR) : 4.19- kilometers.

The above project is a World Bank funded Philippine Rural Development Program extension to the Luzon-A Cluster utilizing the Department of Agriculture-Value Chain Analysis (VCA) of the Department of Agriculture, with the enterprise ISABELA DAIRY ENTERPRISES. With infrastructure support for Dairy Farmer Beneficiaries, a FARM TO MARKET ROAD (FMR) upgrading/concreting will be an infrastructure support to the enterprise into the existing all weather road stretch interconnecting the road network traversing Barangay Union, Cabagan, Isabela to Barangay Camasi, Tumauni, Isabela. The open traverse FMR is identified at the intersection of Latitude N 17° 12' 18.1" and Longitude E 121° 37' 50.4" to Latitude N 17° 12' 11.19" and Longitude E 121° 40' 8.73".

1.3 Proposed Sources and Location of Quarries, Burrow Pits and Construction Materials.

The proposed project shall source out its quarry resources with a total volume of 25,000 cubic meters (for base, sub base and concrete pavement extracted from the existing quarry resources at Minanga, Arcon and Fugu Abajo, Tumauni, Isabela.

1.4 Manpower. Manpower requirements for the proposed upgrading of the 4.91-kilometer Farm to Market Road, manpower requirements is estimated in the program of work was working 3,700 days amounting to Php1,286,233.00.

## **2. SOCIAL AND ENVIRONMENTAL SAFEGUARDS**

### **Social Safeguards Aspect**

The proposed farm to market road is a sub project identified by the Provincial Government of Isabela endorsed by the Provincial Project Management and Implementing Unit (PPMIU), a multi-disciplinary team tasked in the preparation of the Provincial Commodity Investment Plan (PCIP) with which the dairy enterprise of proponent group Malaya Development Cooperative connectivity to the existing dairy farmer group of Canagan and Tumauni, Isabela. Foremost, the prime movers made social networking with the end view to conduct public information with regards to the proposed project.

In the process, the process of public consultation ended up with the conduct of Public Hearing, with all stakeholders with representatives from Department of Agriculture, Philippine Rural Development Program-Regional Program Coordinating Office (PRDP-RPCO), Local Government Units and Barangay Project Beneficiaries.

Public consultative meetings were conducted at Barangay Magassi, Cabagan Isabela with the active participation of all stakeholders from the road influence areas of Magassi, Mabangug, Union of Cabagan, Isabela and Camasi, Tumauni, Isabela.. The program proponent established its goal/s in support to the program as enumerated below:

- a. Logistical support of the 5-kilometer sub-project farm to market road linking the two Barangays of Cabagan and Tumauni, Isabela. The proposed FMR upgrading project is in support to the existing dairy farmer beneficiaries of the two municipalities of the north dairy zone.
  
- b. Site and Right of Way acquisition.

The 4.93-kilometer FMR traverses a large tract of agricultural and pasture lands starting from Barangay Magassi to Sitio Buraga, Camasi, Tumauni, Isabela, via Union Cabagan, Isabela. Records from the Bureau of lands reveal, the herein lots are classified as alienable and disposable lands as evidenced by a cadastral survey identified as Group Settlement Subdivision 1722N 12149E.

1. Damage to standing crops, houses and or properties. The FMR does not encroach to any existing crops, private properties either living and non living material ownership.
2. Physical Displacement of persons. There was no identified displacement of persons and or properties. There were no identified project affected persons.
3. Economic displacement of persons. There will be no loss of property and or livelihood within the stretch of the FMR, its mere existence adds to the economic life of the project beneficiaries, where no displacement of persons were recorded.

### **Environmental Safeguards Aspects**

#### 1. Natural Habitat

The 4.91-kilometer FMR traverses a large tract of agricultural, and pasture lands, with individual land area per barangay obtained from the municipality of Mallig as follows:

Land classification obtained from the Department of Environment and Natural Resources and Bureau of Lands, and the DENR R02 was forest zone.

No citing of the presence of endangered species of flora and fauna. The existing road section is passable only during the dry months.

#### 2. Physical Cultural Resources

The multi-disciplinary team conducted simultaneous mobilization and reconnaissance survey with the participation of proposed beneficiaries. In the process, there were no cultural and historical structures, features, landscapes, archeological sites, structures or monuments, and or physical and cultural resources in the area.

- a. Project Beneficiaries- Aside from the proponent group, project beneficiaries including influence area were determined to wit:

<b>BARANGAY</b>	<b>Household No.</b>	<b>POPULATION</b>		
		<b>MALE</b>	<b>FEMALE</b>	<b>TOTAL</b>
1. Magassi,Cganab	445	1098	1032	2130

2. Mabangug, Cabagan	65	191	201	392
3. Union, Cabagan	156	346	349	695
4. Camasi, Tumauni	473	1192	1129	2321
<b>TOTAL</b>	<b>1429</b>	<b>2827</b>	<b>2711</b>	<b>5538</b>

b. Terrain, soil types and rainfall.

Terrain along the FMR is identified in the NAMRIA topographic Map with the highest elevation reading at eighty five meters (105) above sea level.

Soil types. Clay, clay loam,

Rainfall. The average montly rainfall is recorded at 151.3 mm. Highest recorded rainfall was in the month of October with 420.9 mm.(source: DOST/PAGASA)

c. Drainage Situation and Flooding Potential. Geo-hazard map from the Mines and Geo-sciences Bureau, Barangays along the proposed FMR stretch is along high elevation, thus, no risk of potential flooding situation

