

Mindanao Rural Development Project – Adaptable Loan Program II Environmental and Social Management Plan for Rural/Farm-to- Market Roads Subprojects

Name of PWS Subproject: REHABILITATION OF STO. ROSARIO TO SITIO
PINILI FARM-TO-MARKET ROAD
 Location: Sto. Rosario, R. T. Lim, Zamboanga Sibugay
 Implementing LGU: Roseller T. Lim, Zamboanga Sibugay
 Estimated Number of Beneficiaries: 1,435
 New or rehabilitation: Rehabilitation/upgrading
 Estimated total Subproject Cost: P33,073,000

A. Site and Design Consideration

1. The road does not encroach into or traverse any declared protected area of natural habitat.
2. The subproject will not displace, disfigure or render inoperable/inaccessible any monument or physical structure of known cultural and historical significance.

B. Environmental Issues and Mitigation Measures

Issues	Assessment	Mitigation/Management Measure	<i>Instrument (Where this will be addressed)¹</i>
1. Temporary increase in sedimentation during construction	<input type="checkbox"/> Topography of the road alignment necessitate massive earthmoving and cutting of clayey or loose top soil	<input type="checkbox"/> Earthmoving/cutting of slopes to be done during dry months.	<input type="checkbox"/> DED/POW; Contract
2. Potential contamination of surface and ground water with oil/grease	<input type="checkbox"/> There will be no or insignificant amount of waste oil/grease.	<input type="checkbox"/> Proper handling and disposal of waste oil and grease	<input type="checkbox"/> Contract
3. Potential contamination with human waste	<input type="checkbox"/> Construction workers would be mostly locals and are expected to go home to their respective houses after works.	<input type="checkbox"/> Set up adequate latrine/toilet facility at the base camp	<input type="checkbox"/> Contract

¹ (DED/POW, RAP, IP Plan, O&M Plan, Capacity Building Plan)

Issues	Assessment	Mitigation/Management Measure	<i>Instrument (Where this will be addressed)</i> ¹
4. Potential disruption of traffic flow	[] The access road and/or segments to be rehabilitated is vital to daily activities of the residents and farmers and need to be kept open to traffic during construction	[] Keep the road open to traffic flow and minimize disruptions along the access road/or construction area	[] Contract
5. Potential dust/mud nuisance during construction	[] Roads could become powdery during dry days and muddy during rainy days of the construction period.	[] Undertake sprinkling of road (including access roads) during dry days and filling up of potholes during rainy days, especially in residential areas. [] Set up speed limits for vehicles especially within residential areas.	[] Contract
6. Landslides/erosion of exposed road sides resulting in sedimentation of waterways.	[] The road will traverse a mountainous area necessitating deep cuts on mountainous sides, particularly between stations 0+020-0+100, 0+220-0+240, 0+280-0+300, 1+110-1+140, 1+820-1+880 & 2+160-2+300	[] Include <i>slope protection works/const.of line canal at the following stations;</i> Sta. 0+020-0+100, Sta. 0+220-0+240, Sta. 0+280-0+300, Sta. 1+110-1+140, Sta. 1+820-1+880 Sta. 2+160-2+300 i.e. Plantation of fast growing shrub species & const.of slope protection structures.	[] DED/POW
7. Inadequate drainage resulting in flooding or ponding	[] The road will block runoff, resulting in flooding on one side of the road during rainy days.	[] Installation of cross Drainage on the following station with catch basins, headwall and line canal on slope/hilly side; Sta.0+812 –1 line 910mm Sta.1+065 –1 line 910mm Sta.1+348 -2 line 910mm Sta.1+424 -3 line 910mm Sta.1+509 -2 line 910mm Sta.1+650 -1 line 910mm Sta.1+915 -1 line 910mm Sta.2+565 -1 line 910mm Sta.2+620 -1 line 910mm	[] DED

Issues	Assessment	Mitigation/Management Measure	<i>Instrument (Where this will be addressed)</i> ¹
		Sta.2+882 -1 line 910mm	
8. Potential increase on the use of pesticides due to intensification of cash crop production in the area	[] Farmers in the service area have not been trained on IPM	[] Coordinate with DA on IPM Program	[] Capacity Building Plan; O&M Plan;
9. Potential acceleration of denudation of the upland/hilly areas, due to intensification of crop production.	[] The proposed road will connect to the market and upland/hilly area where farmers are currently practicing erosive farming techniques. The road could help accelerate the denudation of the upland/hillsides rendering them unproductive in a few years.	[] DA to coordinate with LGU for the introduction of sustainable upland farming systems in the area.	[] Capacity Building Plan; O&M Plan;
10. Potential increase in encroachments of human activities into the nearby public forests	[] The proposed road does not improve access to the nearby public forest.	[] no measure required.	[] Capacity Building Plan; O&M Plan;
11. Local Employment	[] Construction will provide local employment opportunities	[] Hiring priority shall be given to qualified local residents; Implement RI Manual on local hiring.	[] Contract

Prepared by:

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Adopted by the MRDP2 Municipal Project Implementing Unit:

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