

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 CASACON-TILASAN
FARM-TO-MARKET ROAD
 Location: Tilasan, R. T. Lim, Zamboanga Sibugay
 Implementing LGU: Roseller T. Lim, Zamboanga Sibugay
 Estimated Number of Beneficiaries: 1,676
 New or rehabilitation: Rehabilitation/upgrading
 Estimated total Subproject Cost: P 38,069,149.25

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	Instrument (Where this will be addressed)¹
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"/> Proper disposal and compaction of soil.	<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
4. Potential disruption of traffic	<input type="checkbox"/> The access road and/or segments to be	<input type="checkbox"/> Keep the road open to traffic flow and minimize	<input type="checkbox"/> Contract

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

Issues	Assessment	Mitigation/Management Measure	Instrument (Where this will be addressed) ¹
flow	rehabilitated is vital to daily activities of the residents and farmers and need to be kept open to traffic during construction	disruptions along the access road/or construction area	
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 1+340 to 1+380, 2+340 to 2+440, 2+840 to 2+890, and 3+000 to 3+080	[] Include slope protection works at the following stations; 1+340 to 1+380, 2+340 to 2+440, 2+840 to 2+890, and 3+000 to 3+080 i.e. Plantation of fast growing shrub species.	[] DED/POW
7. Inadequate drainage resulting in flooding or ponding	[] Drainage issues unlikely	[] No measure required	[] DED
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	[] DA to coordinate with LGU for the introduction of sustainable upland farming systems in the area.	[] Capacity Building Plan; O&M Plan;

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	rendering them unproductive in a few years.		
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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