



DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
KAGAWARAN NG KAPALIGIRAN AT LIKAS YAMAN



ECC-CO-2208-0133

Emil K. Sadain, CESO I

Senior Undersecretary

Department of Public Works and Highways

Bonifacio Drive Port Area, 652 Zone 068, Manila City

Subject: **ENVIRONMENTAL COMPLIANCE CERTIFICATE**

Dear **Undersecretary Sadain**:

This refers to the application for an Environmental Compliance Certificate (ECC) of **Department of Public Works and Highways (DPWH)** for the proposed **Central Mindanao High Standard Highway Construction Project (Cagayan de Oro – Malaybalay Section)** to be located in Cagayan de Oro City and Municipality of Tagoloan, Province of Misamis Oriental and Manolo Fortich, Sumilao, Impasug-ong, and Malaybalay City, Bukidnon.

After satisfying the requirements of Presidential Decree No. 1586 and its implementing rules and regulations and upon recommendation of the Environmental Impact Assessment Review Committee, the Department of Environment and Natural Resources has decided to grant an ECC to the above-mentioned project.

With the issuance of the ECC, DPWH is expected to fully implement the measures presented in the Environmental Impact Statement (EIS) intended to protect and mitigate the project's predicted adverse impacts on community health, welfare, and the environment. Likewise, environmental considerations shall be incorporated in all phases and aspects of the project.

The Certificate does not create any right nor shall be used as an authorization to implement the project and automatically expires if a project has not been implemented within five (5) years from ECC issuance, or if the ECC was not requested for extension within three (3) months from the expiration of its validity. This Office shall be monitoring the project periodically to ensure strict compliance with the stipulations cited in the attached ECC.

Please be guided accordingly.

Very truly yours,

By Authority of the Secretary:

JOSELIN MARCUS E. FRAGADA, CESO III
Undersecretary for Field Operations and
Supervising Undersecretary for Mines and
Geosciences Bureau and Environmental
Management Bureau-Mindanao



CC : EMB Region X
DENR Region X
DOLE – BWC Region X
DOH Region X
LGU –Cagayan de Oro City

LGU – Municipality of Tagoloan
LGU – Province of Misamis Oriental
LGU – Municipality of Manolo Fortich
LGU – Municipality of Sumilao
LGU – Municipality of Impasug - Ong
LGU – Malaybalay City

LGU – Province of Bukidnon



ENVIRONMENTAL COMPLIANCE CERTIFICATE
(Issued under Presidential Decree No. 1586)

ECC-CO-2208-0133

THIS IS TO CERTIFY THAT THE PROPONENT, **DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS** as represented by its Senior Undersecretary, **Emil K. Sadain**, is granted this Environmental Compliance Certificate (ECC), for its proposed **Central Mindanao High Standard Highway Construction Project (Cagayan de Oro – Malaybalay Section)** to be located in Cagayan de Oro City and Municipality of Tagoloan, Province of Misamis Oriental and Manolo Fortich, Sumilao, Impasug-ong, and Malaybalay Cilty, Bukidnon, by the Department of Environment and Natural Resources (DENR) through the Environmental Management Bureau.

SUBJECT ONLY to the conditions and restrictions set out herein, labeled as Annexes A and B, this ECC is issued with the following details:

PROJECT DESCRIPTION

This Certificate shall cover the construction and operation of **Central Mindanao High Standard Highway Construction Project (Cagayan de Oro – Malaybalay Section)**, a 65.6-kilometer road with 60-meter road right of way (RROW) traversing 27 barangays of four municipalities and two cities in the Provinces of Misamis Oriental and Bukidnon and shall include the following structures:

Components	Quantity
1. Interchanges;	5
2. Overpass;	22
3. Underpass;	32
4. Bridges;	51
5. Viaducts	8


The project shall also cover the support facilities such as Offices, Storage Facilities, Bunk Houses, Fabrication Yards, Temporary Access Roads, Material Recovery Facilities, Sanitary Facilities, Noise Barriers, Temporary Drainage, Sewage Facilities and other Temporary Construction Facilities.

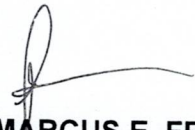
This Certificate is issued in compliance with the requirements of Presidential Decree (PD) No. 1586 and its Implementing Rules and Regulations (IRR). Non-compliance with any of the provisions of this Certificate including the mitigating measures cited herein shall be a sufficient cause for its cancellation and/or imposition of a fine in an amount not to exceed Fifty Thousand Pesos (P50,000.00) for every violation thereof without prejudice to imposition of fines and penalties under other environmental laws. The EMB, however, is not precluded from reevaluating and correcting any deficiencies or errors that may be found after issuance hereof.

Issued at DENR, Quezon City, Philippines, this FEB 13 2025.

Recommending Approval:

Approved by Authority of the Secretary:


JACQUELINE A. CAANCAN, CESO III
OIC-Assistant Secretary for Environment and
concurrent EMB Director


JOSELIN MARCUS E. FRAGADA, CESO III
Undersecretary for Field Operations and
Supervising Undersecretary for Mines and
Geosciences Bureau and Environmental
Management Bureau-Mindanao



Increase in turbidity due to soil erosion	<p>Rapid re-vegetation of side slopes with anti-erosion cover, and the use of appropriate anti-erosion technologies</p> <p>Backfilling and leveling of the borrow pits to prevent water ponding</p> <p>Installation of erosion control measures</p> <p>Implement the Water Quality Monitoring Plan during construction phase</p> <p>Contain runoff from construction areas with silt traps or curtains</p> <p>Implement appropriate erosion control measures such as additional pavements, sediment traps and barriers during heavy rain periods</p> <p>Proper management of stockpiles and the drainage system should be undertaken. To avoid contamination by rain washing, stockpiles should be distant from the waterways and covered</p> <p>Provision of slope protection to minimize surface runoff and sedimentation</p>
Degradation of water quality due to generation of domestic wastewater	<p>Provision of portable toilets for construction workers. Siphoning and collection of the sewage will be done as necessary to prevent overflow of seepage</p> <p>Hauling of wastewater from portalets/septic tank by third party shall be covered by a licensed/permit from LGU and with valid Discharge Permit for the wastewater treatment facility</p>
Degradation of water quality due to oil, fuel or other lubricant agents leaks due to works, installation and other construction works	<p>Bunded area for tanked fuels, lubricants, etc., at the staging areas with drainage leading to oil-water separator</p> <p>The construction yard shall be located at least 100 meters from receiving bodies of water and equipped with oil-water separator to remove oil from effluents prior to discharge</p> <p>Implement an organized waste storage, where bulk waste oils and lubricants are placed in an impermeable area with appropriate secondary containment</p>
Potential generation of fugitive dust from the movement of vehicles and equipment use	<p>Apply dust suppression measures, e.g., water application, in active construction areas;</p> <p>Provide tarpaulin cover on trucks loaded with construction materials;</p> <p>Speed limit must be regulated at 20-30 kph to minimize generation of dust</p>
Potential generation of noise	<p>Implement the Motor Vehicle Maintenance Plan including:</p> <ul style="list-style-type: none"> • Install noise control devices such as mufflers and noise suppressors on all construction equipment

	<p>and machinery. Use of electric instead of diesel-powered equipment, hydraulic tools instead of pneumatic tools.</p> <ul style="list-style-type: none"> Daily routine check-up of construction vehicles, equipment, and machineries must be strictly complied with <p>Conduct regular inspection and preventive maintenance of heavy equipment, machineries, and service vehicles to meet the DENR Emission Standard</p> <p>Limit construction work between 7:00 AM to 7:00 PM for works classified as Class 1-2 under NPCC 1980 Noise Standards and 7:00 AM to 9:00 PM for works classified as Class 3-4</p>
Operation Phase	
Soil contamination due to improper management of generated solid wastes	<p>Implementation of the Operation Waste Management Plan (OWMP)</p> <p>Implementation of Solid Waste Management Program such as provisions of MRF (composting, recycling, waste segregation collection with color-coded and storage).</p> <p>Disposal shall be conducted by 3rd party accredited collector. The Memorandum of Agreement (MOA) shall be submitted to EMB CO.</p>
Removal and/or relocation of affected trees affected by DPWH projects	<p>Prior to land operation, the removal of trees through cutting and/ or relocation, first obtain the appropriate tree cutting and/or relocation permit from the concerned DENR field office pursuant to DAO No. 2020-16 dated 18 July 2020.</p> <p>Tree Cutting and/or Relocation Permit Application requirements shall be governed by the provisions of DAO No. 2020-06 date 12 Feb. 2020, which amended certain provisions of DAO 2020-16.</p> <p>Comply with the seedling replacement ratio for every tree cut or relocated pursuant to DENR Memorandum Order No. 2012-02 dated 05 Nov. 2012.</p>
Generation of road traffic noise	Proper installation and maintenance of selected sound attenuation barriers e.g., vegetation barrier.

II. GENERAL CONDITIONS

The Proponent shall:

1. Ensure that all discharges/ effluents comply with the DENR standards at all times and shall comply with all the provisions of RA 9275, the Philippine Clean Water Act of 2004 and its Implementing Rules and Regulations;
2. Install and maintain air pollution control devices to minimize dust and gas emissions from different sources. Likewise, the proponent shall ensure that emissions at all times comply

with the DENR standards and with all the provisions of RA 8749, the Philippine Clean Air Act of 1999, and its Implementing Rules and Regulations;

3. Install, operate, and maintain collection, handling, treatment, storage, and disposal facilities or any system serving different sources of hazardous waste. The system shall be properly operated to ensure compliance with the provisions of RA 6969, the Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 and its Implementing Rules and Regulations;
4. Install, operate, and maintain collection, handling, treatment, storage, and disposal facilities or any system serving different sources of solid waste. The system shall be properly operated to ensure compliance with all the provisions of RA 9003, the Ecological Solid Waste Management Act of 2000 and its Implementing Rules and Regulations;
5. Conduct an effective Information, Education and Communication (IEC) to inform and educate all stakeholders especially its contractors, workers, and local residents, on the following:
 - a. Mitigating measures embodied in its EIS;
 - b. The conditions stipulated in this Certificate and the environmental disaster risk reduction management measures and climate change related issues/concerns; and
 - c. Human safety features for greater awareness, understanding and sustained acceptance of the project;

A report on the program implementation shall be submitted to EMB Central Office (CO) as part of the Semi-annual Compliance Monitoring Report, copy furnished EMB Region X;

6. Implement a comprehensive Social Development Program (SDP) and submit a report together with the Compliance Monitoring Report (CMR) to the EMB CO, copy furnished EMB X;
7. Implement a carbon sink/sequestration program in line with the DENR's National Greening Program for GHG emissions reduction program. The program shall be formulated in coordination with EMB X, concerned PENROs and CENROs and to be submitted to EMB CO and copy furnished sixty (60) days prior to the project implementation;
8. Submit an approved Resettlement Action Plan to EMB CO sixty (60) days prior to project implementation;
9. Set up the following:
 - a. A readily available and replenishable Environmental Guarantee Fund (EGF) to cover the following:
 - i. Expenses for further environmental assessments;
 - ii. Compensation, indemnification for whatever damages to life and property that may be caused by the project; and
 - iii. Rehabilitation and/or restoration of areas affected by the project's implementation.
 - b. A replenishable Environmental Monitoring Fund (EMF) to cover all costs attendant to the operation and monitoring activities of the MMTs including, but not limited to, capability building and training in accordance with DAO 2017-15; and
 - c. Multipartite Monitoring Teams (MMT) shall be formed consistent with DAO 2017-15 and DAO 2018-18. The MMT shall primarily monitor the proponent's compliance with

the Environmental Management and Monitoring Plan other commitments and mitigation measures that are contained in the EIS documents and the ECC conditions.

The amount and mechanics of the above-mentioned funds shall be determined by EMB and the proponent, in consultation with EMB Regional Offices, through a Memorandum of Agreement (MOA), which shall be submitted to the EMB CO one (1) year prior to project construction

10. Establish an Environmental Unit (EU) prior to project implementation to competently handle the environment related aspects of the project in addition to the monitoring requirements as specified in the Environmental Management Plan (EMP)/Environmental Monitoring Plan (EMoP). The EU shall:
 - a. Monitor actual project impacts vis-à-vis the predicted impacts and management measures in the EIS; and
 - b. Ensure that monitoring and reporting are carried out as required.
11. Register its account in the Compliance Monitoring Report (CMR) Online platform. The first CMR covering the immediate semester shall be submitted after the issuance of the ECC. The succeeding CMR shall be submitted semi-annually through EMB Central Office Online System together with other reports mentioned above;
12. This project shall be subject to a validation visit by the EMB Central Office and members of the EIA Review Committee within one (1) year from the project implementation. Expenses related to this activity shall be to the account of the proponent. The proponent shall inform EMB Central Office at least thirty (30) days prior to the project implementation, and
13. Ensure that its contractors and sub-contractors strictly comply with the relevant conditions of this Certificate.

III. RESTRICTIONS

14. The proponent shall coordinate with other concerned Government Agencies in the management of the project and shall implement only after securing all the necessary and relevant permits from other pertinent Government Agencies;
15. Transfer of Ownership of this project carries the same conditions and restrictions for which written notification must be made by herein grantee to EMB within fifteen (15) days from such transfer, and
16. No activities shall be undertaken other than what were stipulated in the final EIS. Should there be any expansion of the project beyond the project description or any change in the activity or transfer of location, or realignment, the same shall be subject to a new Environmental Impact Assessment.

O.R. No. : 9461515
Date : August 17, 2023
Processing Fee : Php 10,100.00

ECC-CO-2208-0133
Central Mindanao High Standard Highway Project
Department of Public Works and Highways



PROJECT ASSESSMENT PLANNING TOOL

For the assistance of the proponent and the Government agencies concerned in the management of the Project and for better coordination in mitigation of the impacts of the Project on its surrounding areas and the environment, the following have been recommended by this Office to the parties and authorities concerned, for appropriate action.

Environmental Planning Recommendations and Regulatory Requirements for the Proponents	
A. DENR – Biodiversity Management Bureau (BMB)	
1. The proponent shall coordinate with BMB for the preparation and implementation of the Biodiversity and Monitoring Systems pursuant to Technical Bulletin Nos. 2016-05 and 2019-04.	
B. DENR – Region X	
2. Secure tree cutting permit and coordinate with the agency concerned regarding the loss of specific species of vegetation and/or trees that need to be replaced; 3. Implement appropriate measures and maintain buffer zones along with the river systems and periphery of the project area with appropriate species/dense vegetation cover to mitigate the adverse effect of its operation on the existing condition of the ecosystems in the area and to serve as noise, vibration, and dust buffers.	
C. Department of Health (DOH)	
4. Submit its Public Health Mitigation and Management Plan (PHMMP) to the DOH – Health Promotions Bureau for the Health Impact Assessment Review Process pursuant to DOH-DILG Joint Administrative Order No. 2021-0001 (Guidelines for the Operationalization of the Health Impact Assessment (HIA) Review Process for Development Projects).	
D. Local Government Unit (LGU)	
The proponent shall: 5. Comply with pertinent provisions of PD No. 1096 (National Building Code). 6. Comply with pertinent provisions of PD No. 856 (Code on Sanitation of the Philippines). 7. Give priority employment to qualified local residents. 8. Coordinate with the concerned LGU for the implementation of Solid Waste Management Plan. 9. Secure Zoning Clearance in compliance with the Comprehensive Land Use Plan and Zoning Ordinance of the LGU. 10. Ensure that their operations will not generate traffic on the public roads. 11. Coordinate with the concerned LGU on the implementation of Traffic Management Plan. 12. The host communities will be kept informed of the duration and timing of any noisy construction.	
E. Department of Labor and Employment – Bureau of Working Conditions (DOLE-BWC)	
13. The Proponent shall comply with the Labor Code of the Philippines, including occupational health and safety standards.	
F. National Water Regulatory Board	
The proponent shall: 14. The Proponent shall secure necessary permits and clearances on the use of surface and groundwater and other water resources.	

For the dissemination and proper action of the agencies concerned.

ENGR. MARVIC E. YAO
OIC Chief, EIAM Division in concurrent
capacity as Chief, Systems Planning and
Policy Section

JACQUELINE A. CAANCAN, CESO III
OIC-Assistant Secretary for Environment
and concurrent EMB Director