



Republic of the Philippines
Department of Environment and Natural Resource
ENVIRONMENTAL MANAGEMENT BUREAU

1515 L and S Building, Roxas Boulevard, Pasay City
Telephone No.(02) 400-5960 Fax No.(02) 400-5960
mimaropa@emb.gov.ph and emb_mimaropa@yahoo.com
Visit us at <http://www.mimaropa.emb.gov.ph/>

July 19, 2022

ECC-OL-R4B-2022-0123

DIR. GERALD A. PACANAN

Regional Director

DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGION IV-B

DPWH Region IV-B, EDSA, Quezon City, Metro Manila

Subject: **ENVIRONMENTAL COMPLIANCE CERTIFICATE**

Dear Dir. *Pacanan*;

This refers to the Environmental Compliance Certificate (ECC) application for the proposed **Lubang Circumferential Road Project** to be located in the **Municipalities of Lubang (brgys. Brgy Binakas and Brgy Guitna) and Looc (brgys. Bulak, Virgo, Tilik, Burol, Agkawayan and Kanluran Pob), Occidental Mindoro.**

After satisfying the requirements of the said application, this Bureau has decided to grant an ECC for the above-mentioned project.

With the issuance of this ECC, you are expected to implement the measures presented in the Initial Environmental Examination Checklist (IEEC), intended to protect and mitigate the project's adverse impacts on community health, welfare and the environment. Environmental considerations shall be incorporated in all phases and aspects of the project. You may proceed with the project implementation after securing all the necessary permits from other pertinent Government agencies. This Office will be monitoring the project periodically to ensure your compliance with stipulations cited in the attached ECC.

Please be guided accordingly.



JOE AMIL M. SALINO
Regional Director



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ENVIRONMENTAL COMPLIANCE CERTIFICATE
(Issued under Presidential Decree 1586)
ECC-OL-R4B-2022-0123

THIS IS TO CERTIFY THAT THE PROPONENT, **DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGION IV-B**, represented by its **Regional Director, GERALD A. PACANAN**, is granted this Environmental Compliance Certificate (ECC), for the proposed **LUBANG CIRCUMFERENTIAL ROAD PROJECT** located at **Municipalities of Lubang (brgys. Brgy Binakas and Brgy Guitna) and Looc (brgys. Bulak, Virgo, Tilik, Burol, Agkawayan and Kanluran Pob), Occidental Mindoro**, by the Department of Environment and Natural Resources (DENR), through the Environmental Management Bureau (EMB).

SUBJECT ONLY to the conditions and restrictions set in this ECC and in the attached document labelled as **Annexes A and B**.

This Certificate is issued with the following details:

PROJECT DESCRIPTION

This Certificate shall cover the *Lubang Circumferential Road Project* having a total length of **19.6 kilometers** to be located at *Municipalities of Lubang (brgys. Brgy Binakas and Brgy Guitna) and Looc (brgys. Bulak, Virgo, Tilik, Burol, Agkawayan and Kanluran Pob), Occidental Mindoro*.

Components	
Description	Length
Road	19,595 M
Bridge 1	35 M
Bridge 2	90 M
Bridge 3	60 M
Bridge 4	90 M
Bridge 5	90 M

The project also includes the construction of pavement shoulder, drainage, slope protection, and some safety measures. The design of the project will be based on the DPWH national standards. The road width is 6.7 meters and the shoulder width is 1.5 to 2 meters.

The project shall operate and maintain its facilities and amenities as contained in the submitted **Initial Environmental Examination Checklist (IEEC) Report and Environmental Management Plan (EMP)**.

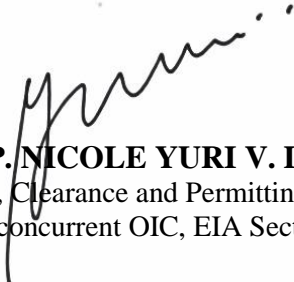
This Certificate is issued in compliance with the requirements of Presidential Decree No. 1586, and in accordance to DENR Administrative Order (D.A.O.) No. 2003-30. Non-compliance with any of the provisions of this Certificate shall be a sufficient cause for the cancellation of this Certificate and/or 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 of this Certificate.



Environmental Compliance Certificate
Lubang Circumferential Road
Brgy Binakas Lubang, Mindoro Occidental
Department of Public Works and Highways Region IV-B

Issued at EMB-R4B, 1515 L and S Building, Roxas Boulevard, Manila this [July 19, 2022](#).

Recommending Approval:



EnP. NICOLE YURI V. DORADO
OIC, Clearance and Permitting Division
and concurrent OIC, EIA Section

Approved:



JOE AMIL M. SALINO
Regional Director



Environmental Compliance Certificate
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SWORN ACCOUNTABILITY STATEMENT

I, **GERALD A. PACANAN**, representing **DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGION IV-B**, with an address located at **DPWH Region IV-B, EDSA, Quezon City, Metro Manila**, takes full responsibility in complying with all conditions in this Environmental Compliance Certificate (ECC).

GERALD A. PACANAN
Signature

TIN No. _____

Subscribed and sworn before me this _____, the above-named affiant taking oath presenting _____, issued on _____ at _____.

Notary Public

Doc. No. _____
Page No. _____
Book No. _____
Series of _____



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I. ENVIRONMENTAL MANAGEMENT

All commitments, mitigating measures and monitoring requirements, contained in the Initial Environmental Examination Checklist Report for the proposed (**LUBANG CIRCUMFERENTIAL ROAD PROJECT**), particularly in the Environmental Management Plan/ Environmental Monitoring Plan, including any modifications and/or additional information as approved by the EMB, shall be instituted to minimize any adverse impact of the project to the environment throughout its implementation, which shall include among others to wit:

POTENTIAL IMPACT PER PROJECT ACTIVITY PER PROJECT PHASE	MITIGATING MEASURES	RATING/ PERFORMANCE OF MITIGATING MEASURES
A. Construction Phase		
A.1 Site Development including excavation (Clearing and Grubbing)		
Dust emission from site preparation	Maintain a misty access road surface within the project site by sprinkling water at least thrice (3x) a day during the dry season	100% no dust generation
Noise pollution from delivery trucks	Use of mufflers and exhaust silencers	100% Noise within standard((NPCC MC 002 Series of 1980)
Generation of noise from heavy equipment	Use of mufflers and exhaust silencers for construction equipment Provision of appropriate noise mitigating measures (such as construction of fences, enclosure of stationary work areas and equipment, maintenance of equipment, etc.) whenever applicable	100% Noise within standards((NPCC MC 002 Series of 1980)
Generation of spoils (including excavated soils)	Excavated materials shall be properly stockpiled and properly disposed or reused. Excess soil materials shall not be deposited along areas traversed by runoff and away from waterways and valuable crops. The proponent shall identify stockpile sites (with geographical coordinates) Spoil materials will be hauled by third party hauler with approved permit/clearance from LGU or the proponent should identify disposal sites (with geographical coordinates) Trucks should be thoroughly washed before leaving the project site to avoid the transfer of mud/dirt in the road Use of spoils as fill materials in lower areas subject to the approval of LGU	100% no spoil materials will be left unattended and no mud/dirt shall be transferred in the road
Generation of construction debris	Segregation and proper storage of construction debris to be hauled by a contractor.	100% hauled/ collected by the third party and should always be stockpiled in a safe place
Potential siltation due to soil erosion	Construction of soil erosion control measures either by/such as but not limited to sediment trap and barriers or planting of grasses/trees. Stockpiles shall be placed away from the watercourses to prevent the transport of soil and sediment.	100% no soil erosion/siltation
A.2 Construction of Roads and Bridges		



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Potential siltation of nearby bodies of water due to surface water run-off	<p>Provision of sediment trap/siltation pond</p> <p>Construction of soil erosion control measures either by/such as but not limited to sediment trap and barriers or planting of grasses/trees.</p> <p>Stockpiles shall be placed away from the watercourses to prevent the transport of soil and sediment.</p>	100% no siltation
Degradation of surface water quality due to contamination from oil, fuel, or other lubricantss agents leaks from works, installation and other construction works	Implement organized waste storage, where bulk waste oils and lubricants are placed in impermeable area with appropriate secondary containment	100% compliance with RA 9275
Dust emission	<p>Implement speed limit for heavy equipment/vehicles</p> <p>Maintain a misty access road surface within the project site by sprinkling water at least thrice (3x) a day during the dry season</p>	100% no dust emission
Noise pollution from heavy equipment facilities	<p>Use of mufflers and exhaust silencers</p> <p>Limit the construction time to given standard hours or limit night work to avoid the distraction of nearby establishments like residential areas</p> <p>Work involving the handling of noisy and/or vibrating power tools/ equipment shall be with a maximum of 2 hours per day (for 8- hour work, duty cycle should be 1:4)</p>	100% no noise pollution
Generation of used oil (from motor pool) and other hazardous materials	Provision of storage facility/area and collected by hazardous wastes DENR accredited 3 rd party hauler and treater	100% compliant to RA 6969
Generation of construction debris	<p>Proper collection of construction debris Solid Waste Management Program in compliance to RA 9003</p> <p>Collection of construction debris third party hauler with valid permit/clearance from LGU</p>	100% collected/hailed construction debris
A.3. Construction Installation, and operation of temporary site facilities (field offices and barracks)		
Generation of solid Wastes	<p>Segregation of wastes and provision of the waste storage facility</p> <p>Provision of an MRF including composting area</p> <p>Hauling of solid wastes by third-party hauler with permit/clearance from LGU</p>	100% conformance to RA 9003
Degradation of air quality due to use of generator set (if any)	Regular maintenance of the generator set	100% compliance to RA 8749
Generation of hazardous materials	<p>Provision of centralized storage facility/area and collected by hazardous wastes DENR accredited 3rd party haulers/treaters.</p> <p>Hazardous waste generation ID shall be secured from EMB.</p>	100% compliant to RA 6969
Degradation of surface water quality due to contamination from domestic wastewater	<ul style="list-style-type: none"> Provision of (<u>indicate number</u>) portalets for construction workers <p><i>Note: at least one (1) portalet for 60 workers where the number of male workers exceeds 500 (as per IRR- Industrial Hygiene, PD 856 Amending Administrative Order 111 Series of 1991)</i></p> <p><i>Note: at least one (1) portalet for 25 workers where the number of male workers exceeds 100</i></p>	100% no discharge of domestic wastewater to nearby bodies of water



	<i>(as per IRR- Industrial Hygiene, PD 856 Amending Administrative Order 111 Series of 1991)</i> <ul style="list-style-type: none">• Provision of septic tank or wastewater collection system for workers Hauling of wastewater from portalets/ septic tank by third party contractor with licensed/permit from LGU and with valid Discharge Permit for wastewater treatment facility	
Generation of effluents due to wastewater generation	<ul style="list-style-type: none">• Monitoring of the following significant effluent quality parameters:<ul style="list-style-type: none">☑ BOD☑ Total Suspended Solids☑ Oil and Grease	100% compliance with DENR effluent standards (RA 9275); (i.e.DAO 2016-08 and DAO 2021-19)

II. GENERAL CONDITIONS

1. The proponent shall ensure that the project implementation shall **NOT COMMENCE** unless all required/clearances from the concerned government agencies are secured. EMB shall be advised when all the permits/clearances are secured and when will be the actual date of project implementation.
2. That green buffer zones and tree planting shall be established within and along the periphery of the project site to help attenuate noise levels, abate heat and absorb some pollutant emissions.
3. To establish a reforestation and carbon sink program using endemic/indigenous species to mitigate greenhouse gas (GHG) emissions of the project in line with the DENR’s thrust for GHG emissions reduction programs and National Greening Program. The program shall be submitted to EMB-4B (MIMAROPA Region) six (6) months prior to the project implementation.
4. That the proponent shall strictly manage all external, traffic problems, excessive surface runoff, dust, soil erosion, accidental spillage and health hazards identified in the **Initial Environmental Examination (IEE) Checklist Report** and, in case of emergency episodes, appropriate response activities shall be immediately undertaken for the protection of the workers/ personnel, host and nearby communities, and the receiving environment.
5. To conduct an effective Information, Education and Communication (IEC) Program to inform and educate all stakeholders, especially its contractors, workers, and local residents about the mitigating measures embodied in its IEEC, the conditions stipulated in this Certificate and the environmental and human safety features of the project for greater awareness, understanding and sustained acceptance of the project. The program shall be submitted to EMB-4B (MIMAROPA Region) on an annual basis.
6. That the solid waste management scheme as provided in the Environmental Management Plan (EMP) shall be continuously implemented from the start of the project operation.
7. That the proponent shall religiously comply with the applicable provisions of P.D. 1586 (Philippine Environmental Impact Statement System), R.A. 9275 (Philippine Clean Water Act of 2004), R.A. 9003 (Ecological and Solid Waste Management Act of 2000), R.A. 6969 (Toxic Substances and Hazardous and Nuclear Waste Control Act of 1990) and R.A. 8749 (Philippine Clean Air Act of 1999) and the Sanitation Code of the Philippines (P.D. 856).
8. That preservation and easement retention of natural drainage/waterways shall be undertaken and should conform with the provisions of the DENR Administrative Order No. 97-05 (Procedures in the Retention of Areas within certain distances along the Banks of Rivers, Streams, and Shores of Seas,



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Lakes and Oceans for Environmental Protection). If disturbed, a replacement drainage system shall be constructed within two (2) months from the disturbance.

9. That the proponent shall set-up a competent Environmental Unit and shall be duly accredited by this Office in accordance with DAO No. 26, series of 1992 (Appointment/Designation of Pollution Control Officers). The Environmental Unit shall be integrated in the proponent's organizational chart to handle all environment related aspects of the project implementation in addition to the monitoring requirements as specified in the Environmental Management Plan (EMP)/Environmental Monitoring Plan (EMoP) and other environmental commitments such as but not limited to the following:
 - 9.1 Monitor actual project impacts vis-à-vis the predicted impacts and management measures in the Generic IEE Checklist Report;
 - 9.2 Recommend revisions to the EMP/EMoP, whenever necessary subject to the approval of EMB-4B (MIMAROPA Region);
 - 9.3 Ensure that data gathered during monitoring activities are properly documented, assessed, evaluated and reported to EMB-4B (MIMAROPA Region) in accordance with the standard formats;
 - 9.4 Ensure that monitoring and submissions of reports to EMB-4B (MIMAROPA Region) are carried out as required;
 - 9.5 Regular submission of the following reports:
 - 9.5.1 A semi-annual ***ECC Compliance Monitoring Report*** within fifteen (15) days at the end of each semi-annual reporting period. The CMR must be provided with supporting documents and in accordance with the prescribed format stipulated in the Implementing Rules and Regulations of P.D. 1586;
 - 9.5.2 Submit a ***Quarterly Self-Monitoring Report*** within fifteen (15) days at the end of each quarter. The SMR must be in accordance with the prescribed format of the ***Self-Monitoring Report (SMR)*** pursuant to DAO 2003-27;
10. The proponent shall submit an Abandonment Plan to the EMB at least six (6) months prior to abandonment activities. It shall include rehabilitation measures/clean-up, costs, remediation of areas possibly contaminated with toxic/hazardous substances, and presentation of options on proposed alternative projects in the area;
11. That health and sanitation practices shall be observed in all phases of the project and safety & personal protection equipment/devices shall always be provided to all employees/workers within the premises of the project site to prevent health and occupational hazards;
12. The proponent shall provide warning devices/signs and the construction site shall be illuminated during nighttime to avoid accidents;
13. The proponent shall ensure that its contractors and sub-contractors strictly comply with the relevant conditions of the Certificate;
14. That the proponent including its contractors shall institute slope protection measures to mitigate potential soil collapse and to follow standard slope design of cut and fill;
15. That a billboard containing this message: **“Notice To The Public, This LUBANG CIRCUMFERENTIAL ROAD PROJECT of DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGION IV-B has been issued an Environmental Compliance Certificate (ECC-**



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OL-R4B-2022-0123) by the Department of Environment and Natural Resources Environmental Management Bureau MIMAROPA Region on July 19, 2022.” shall be installed at all entry and exit points and in the perimeter of the project site facing the road during the construction phase to inform the general public within thirty (30) days from receipt of the ECC.

- 16. That a copy of the **ECC shall be posted in a conspicuous** location at the field office of the project site clearly visible to the public and shall be adequately framed or otherwise protected against damage and at the barangay bulletin board of the host barangay(s) within thirty (30) days from receipt of the ECC.
- 17. That any authorized DENR-EMB personnel, with a proper identification card and travel/mission order, shall be allowed unconditional access to conduct an on-the-spot inspection and monitoring to the project without the need for prior notice to the proponent to oversee compliance to the ECC.

II. RESTRICTIONS

- 1. That no other activities should be undertaken other than what was stipulated in the **Initial Environmental Examination (IEE) Checklist Report** Should there be an expansion of the project beyond the project description, construction of other structures beyond those stated in the **Initial Environmental Examination (IEE) Checklist Report**; or any change in the activity or location, shall be made subject to a new Environmental Impact Assessment (EIA) requirements;
- 2. That all appropriate construction, operational and resource-use permits/clearances from other national and local government agencies concerned (i.e. PNP, LGUs, DOH, PMRB, DOLE, DTI, etc.) shall be secured pertaining to the implementation of the project. Likewise, the proponent shall notify this Office of the reckoning date of project operation;
- 3. That no trees shall be affected in all phases of the project, or if there is any, necessary documents such as “Tree Cutting Permit”, “Balling Permit” and other permits/clearances, shall be secured from the concerned DENR sector pertaining to the implementation of the project;
- 4. That no construction or development shall be allowed on the proposed area without any approved tenurial instrument;
- 5. That the surplus, spoils, unsuitable soil and waste materials during construction shall be dumped/disposed properly at pre-determined spoil banks and sites;
- 6. That all sand and gravel materials to be used in the project shall be from legitimate sources with issued Environmental Compliance Certificate (ECC);
- 7. That in case of transfer of ownership/management of this project, these same conditions and restrictions shall apply and the transferee shall be required to notify this Office concerned within fifteen (15) days as regards to the transfer of ownership/management; and
- 18. That the proponent (**DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGION IV-B**) shall be accountable for any misrepresentation and failure to state material information in the submitted documents;

The conditions stipulated in this Certificate shall be deemed final within fifteen (15) days from receipt hereof and all conditions and restrictions set forth above shall be complied with by the herein grantee. This ECC is deemed expired if not implemented within five (5) years from the date of issuance and the proponent shall have to apply for a new ECC if it intends to pursue the project.



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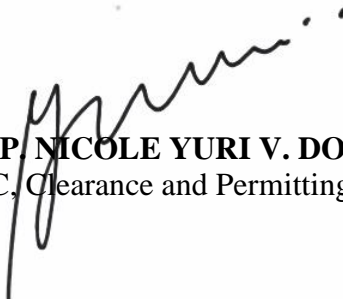
PROJECT ASSESSMENT PLANNING TOOL

For the assistance of the Proponent, LGUs, and other concerned government agencies (GAs) in the management of the project and for better coordination in mitigation on the impacts of the project on its surrounding areas and to the environment.

By way of recommendation, the following have been taken notice of by this Office and are providing these recommendations to the parties and authorities concerned for proper action and integration into their decision making-process.

Environmental Planning Recommendations and Regulatory Requirements for the Proponent	
1. The proponent shall comply with, but not limited to the following: 1.1 P.D. 856 or the Sanitation Code of the Philippines; 1.2 P.D. 442 or the Labor Code of the Philippines including occupational health and safety; 1.3 R.A. 6541 or the National Building Code of the Philippines including adequate storm drainage system and other flood control measures and compliance to the Fire Safety and Emergency Preparedness; 1.4 P.D. 705 & DAO 97-05;	DOH DOLE-Bureau of Working Conditions Municipal Planning & Dev't. Office/Building Official/BFP/LGU Concerned DENR Sector concerned
2. That all appropriate construction, operational and resource-use permits/clearances from other national and local government agencies concerned shall be secured pertaining to the implementation of the project. Likewise, the proponent shall notify this Office of the reckoning date of project operation.	(i.e. PMRB, PNP, LGUs, DPWH, DOH, NWRB, HLURB, MGB, DA, DAR, DOLE, DTI, etc.)
Environmental Planning Recommendations for the Proponent	
1. Close monitoring of the project should be undertaken by the proponent to maintain a high level of safety and efficiency at all phases of the project and to immediately address any environmental hazard that may take place.	Proponent

For dissemination and proper action of the parties concerned.



ENP NICOLE YURI V. DORADO
OIC, Clearance and Permitting Division



JOE AMIL M. SALINO
Regional Director



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and concurrent OIC, EIA Section



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