



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/>

June 27, 2022

ECC-OL-R4B-2022-0105

Mr. RODELIO D. MAYOGA

Owner

QUARRY/LEASE - GRAVEL AND SAND PROJECT

Balao, Abra De Ilog Province of Occidental Mindoro

Subject: **ENVIRONMENTAL COMPLIANCE CERTIFICATE**

Dear Mr. *Mayoga*;

This refers to the Environmental Compliance Certificate (ECC) application for the proposed **Quarry/Lease - Gravel and Sand Project** to be located at **Talusungan River, Barangay Balao, Abra de Ilog, 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.

This *Certificate does not create any right nor be used as an authorization to implement the project*, you may proceed with the implementation only after securing all the necessary and relevant permits from other pertinent Government Agencies. This Office shall be monitoring the project periodically to ensure strict compliance with the 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-2022-0105

THIS IS TO CERTIFY THAT THE PROPONENT, **RODELIO D. MAYOGA**, is granted this Environmental Compliance Certificate (ECC), for the **QUARRY/LEASE - GRAVEL AND SAND PROJECT** located at **Talusungan River, Barangay Balao, Abra de Ilog, 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 ECC covers the Sand and Gravel Quarrying Project having a total land area of 20,000.00 square meters (2.0 Hectares) and Extraction Rate of 39,750 Tons or 15,000 m³ per annum , located at Talusungan River, Barangay Balao, Abra de Ilog, Occidental Mindoro , specifically described as follows: | | | | | |
| TIE LINE: N 86°07' W, 2,005.98 M; From MRW- 4226, Balao, Abra de Ilog, Occidental Mindoro to Corner Marked "1": | | | | | |
| Line | Bering | Distance | Line | Bearing | Distance |
| 1-2 | N 33° 25' E | 61.13 M. | 20-21 | S 09° 53' E | 22.49 M. |
| 2-3 | N 24° 54' W | 87.70 M. | 21-22 | S 20° 02' W | 31.81 M. |
| 3-4 | N 01° 00' W | 68.29 M. | 22-23 | S 18° 56' E | 53.61 M. |
| 4-5 | N 08° 52' E | 59.64 M. | 23-24 | S 40° 26' E | 75.38 M. |
| 5-6 | N 17° 29' W | 54.48 M. | 24-25 | S 05° 06' W | 25.59 M. |
| 6-7 | N 35° 15' W | 76.59 M. | 25-26 | S 30° 46' E | 57.75 M. |
| 7-8 | N 15° 14' W | 48.56 M. | 26-27 | S 19° 05' E | 19.17 M. |
| 8-9 | N 39° 55' W | 39.36 M. | 27-28 | S 15° 23' W | 61.64 M. |
| 9-10 | N 68° 48' W | 78.35 M. | 28-29 | S 38° 45' E | 70.51 M. |
| 10-11 | N 61° 53' W | 44.18 M. | 29-30 | N 88° 36' E | 45.70 M. |
| 11-12 | N 20° 58' W | 41.88 M. | 30-31 | S 56° 12' E | 75.48 M. |
| 12-13 | N 10° 13' E | 68.27 M. | 31-32 | S 12° 44' E | 87.91 M. |
| 13-14 | N 43° 52' W | 55.13 M. | 32-33 | S 38° 53' E | 91.02 M. |
| 14-15 | N 08° 36' W | 78.16 M. | 33-34 | S 18° 49' E | 25.02 M. |
| 15-16 | N 55° 05' W | 60.27 M. | 34-35 | S 12° 50' W | 107.32 M. |
| 16-17 | N 12° 49' W | 128.31 M. | 35-36 | S 23° 03' E | 120.93 M. |
| 17-18 | N 43° 51' W | 107.03 M. | 36-37 | S 28° 21' W | 71.46 M. |
| 18-19 | S 82° 14' E | 25.73 M. | 37-1 | N 50° 51' W | 19.41 M. |
| 19-20 | S 44° 15' E | 139.12 M. | | | |



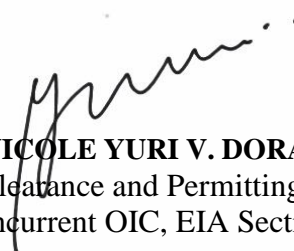
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Rodelio D. Mayoga

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.

Issued at EMB-R4B, 1515 L and S Building, Roxas Boulevard, Manila this June 27, 2022.

Recommending Approval:


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

Approved:


JOE AMEL M. SALINO
Regional Director



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SWORN ACCOUNTABILITY STATEMENT

I, **RODELIO D. MAYOGA**, with office address located at **Balao, Abra De Ilog Province of Occidental Mindoro**, takes full responsibility in complying with all conditions in this Environmental Compliance Certificate (ECC).

RODELIO D. MAYOGA
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 (**QUARRY/LEASE - GRAVEL AND SAND 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. Operational Phase | | |
| A.1 Delivery and transfer of raw (SAG) materials and finished goods, processing Administrative Operation and other Facilities for with crushing project | | |
| Degradation of surface water quality due to contamination from domestic wastewater (with crushing plant) | <ul style="list-style-type: none">Provide (indicate number) of portalets for construction workers <p><i>Note: at least one (1) portalet for 25 workers where the number of male workers exceeds 100 (as per IRR-Industrial Hygiene, PD 856 Amending Administrative Order 111 Series of 1991)</i></p> <ul style="list-style-type: none">Provision of a temporary septic tank or wastewater collection system for workers <p>Hauling of wastewater from portalets/septic tanks by a third party shall be covered by a licensed/permit from LGU and with a valid Discharge Permit for the wastewater treatment facility</p> | 100% complaint with RA 9275 |
| Degradation of surface water quality due to contamination from oil, fuel or other lubricant agents leaks from heavy equipment | <ul style="list-style-type: none">Provision of spill boom;Use of properly maintained heavy equipment | 100% complaint with RA 9275 |
| Potential siltation (turbidity) during Extraction | <ul style="list-style-type: none">Provision of temporary sand barrier from the active site/area of extraction (if applicable);Provision of silt curtain (if applicable)Appropriate method of extraction as identified by MGB | 100% complaint with RA 9275 |
| Generation of Process Wastewater (with Crushing) | <ul style="list-style-type: none">Provision of Settling Pond in Series (at least 3 chamber)Provision of Drainage Canal | 100% compliance with RA 9275 |
| Generation of noise from equipment (crushers, screens, etc.) | <ul style="list-style-type: none">Provision of enclosures or muffling devices on engines and equipmentUse of sound-absorbing liners (e.g. rubber)Daytime operation only, or secure permit/clearance from concerned barangay if operating at nighttime | 100% Noise within the standard (NPCC MC 002 Series of 1980) |
| Generation of air pollutants from delivery trucks/ generator set | <ul style="list-style-type: none">Use of mufflers, silencer, and exhaust pipes; | 100% compliance with RA 8749 |
| Generation of solid wastes | <ul style="list-style-type: none">Provision of Materials Recovery Facility (MRF) | 100% compliant to RA 9003 |



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| | | |
|--|---|---|
| | <ul style="list-style-type: none">• Segregation of wastes with proper labeling, and wastes materials manifest indicating the volume of waste and date of collection/segregation• Hauling of domestic wastes by a third-party contractor with permit/clearance from LGU for proper disposal of wastes.• Compost materials (if any) shall be made available to community for distribution through its Corporate Social Responsibility (CSR) | |
| Generation of used oil (from a motor pool) and other hazardous materials (ie. used batteries, fluorescent lamps) (with Crushing) | Provision of storage facility/area and collection of hazardous wastes by DENR accredited 3 rd party hauler and treater | 100% compliant to RA 6969 |
| Generation of hazardous wastes (with Crushing) | <ul style="list-style-type: none">• Provision of storage facility/area and collected by hazardous wastes DENR accredited third party hauler and treater• Provision of PPE for proper handling | 100% compliant to RA 6969 |
| Generation of Used Oils from heavy equipment | <ul style="list-style-type: none">• Proper disposal of generated used oils | 100% compliant to RA 6969 |
| Riverbank Erosion/Scouring | <ul style="list-style-type: none">• Planting of Bamboos or applicable tree species along the nearest riverbank, in disturbed areas, or in steep slopes to prevent soil erosion• Uniform depth method of SAG Extraction• Provision of a buffer zone to protect the riverbank | 100 No erosion caused by the project |
| Impacts on Infrastructure (Bridges and Irrigation Canals) | <ul style="list-style-type: none">• No extraction within one (1) kilometer radius from any government infrastructure project(s) | |
| Generation of effluents due to wastewater generation | <ul style="list-style-type: none">• Monitoring of the following significant effluent quality parameters: <input checked="" type="checkbox"/> Total Suspended Solids | 100% compliance with DENR effluent standards (RA 9275); (i.e.DAO 2016-08 and DAO 2021-19) |

II. GENERAL CONDITIONS

1. That 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 the proponent shall 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;
3. That the proponent shall 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 project related 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;



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5. 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, Lakes and Oceans for Environmental Protection). If disturbed, a replacement drainage system shall be constructed within two (2) months from the disturbance;
6. The proponent shall comply with all the provisions of RA 9275, the Philippine Clean Water Act of 2004 and its Implementing Rules and Regulations;
7. The proponent shall 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;
8. The proponent shall 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 all the provisions of RA 6969, the Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 and its Implementing Rules and Regulations;
9. The proponent 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;
10. The proponent shall install, maintain, and operate any collection, handling, treatment, storage and disposal facilities or any system serving different sources of solid waste. The system shall be properly operated to ensure prevention of air, water, and any other pollution at all times;
11. Stockpiling of aggregates shall not be allowed on the riverbed and shall be done only on the designated areas, stockpiled in low mounds and away from the riverbanks;
12. No diversion of the flow of the river shall be undertaken or any construction that would reduce the width of the river channel, constrict or impede the flow of water (including the construction of access roads);
13. Submit certification from DPWH/NIA that the project area is outside the 1-kilometer radius from the boundaries of reservoirs and of any public/private structures prior to project implementation;
14. That the proponent **shall set-up a competent Environmental Unit (EU)** with a Pollution Control Officer, within sixty (60) days from the issuance of this Certificate and shall be duly accredited by this Office in accordance with DAO No. 02, series of 2014 (Revised Guidelines for Pollution Officer Accreditation). The Environmental Unit (EU) shall competently handle the environment-related aspects of the project. In addition to the monitoring requirements as specified in the Environmental Management Plan/ Environmental Monitoring Plan, the EU shall have the following responsibilities:
 - 14.1. Monitor actual project impacts vis-à-vis the predicted impacts and management measures in the Generic IEE Checklist Report;
 - 14.2. Recommend revisions to the EMP/EMoP, whenever necessary subject to the approval of EMB-4B (MIMAROPA Region);
 - 14.3. 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;



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- 14.4. Ensure that monitoring and submissions of reports to EMB-4B (MIMAROPA Region) are carried out as required;
- 14.5. Regular submission of the following reports:
 - 14.5.1. 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;
 - 14.5.2. 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;
15. The proponent shall submit an **Abandonment Plan** to the EMB Regional Office at least six (6) months prior to project abandonment. The plan shall include rehabilitation measures/clean-up, remediation of areas affected by the project and proposed alternative projects in the area;
16. 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;
17. That there shall be no screening and/or washing of quarry materials within the streambed to avoid siltation and turbidity of water. Likewise, no stockpile shall be left at the streambed during extraction to avoid obstruction of water flow;
18. That a billboard containing this message: **“Notice to the Public, QUARRY/LEASE - GRAVEL AND SAND PROJECT of RODELIO D. MAYOGA, has been issued an Environmental Compliance Certificate (**ECC-OL-R4B-2022-0105**) by the Department of Environment and Natural Resources – Environmental Management Bureau MIMAROPA Region on June 27, 2022.”** shall be installed at all entry and exit points and in the perimeter of the project site facing the road to inform the general public within thirty (30) days from receipt of the ECC;
19. 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;
20. That the proponent shall provide “one entry” and “one exit” for its operation and shall install a Closed-Circuit Television (CCTV) connected to the server of EMB Regional Office concerned;
21. That the proponent shall submit monthly drone shots of the activity area (Operation Phase);
22. That any authorized DENR-EMB personnel, with 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.

III. RESTRICTIONS

23. No other activities shall be undertaken other than what was stipulated in the IEEC document. Any expansion or modification of the Project beyond the project description or any change in the activity shall be subject to a new EIA study;
24. In case of transfer of ownership of this Project, these same conditions and restrictions for which written notification must be made by herein grantee to EMB within fifteen (15) working days from such transfer;



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25. That all recommendations cited in the submitted MGB-accepted/approved **Geological Assessment Report (GAR)** shall be undertaken at all phases of the project implementation;
26. That a limit of extraction shall **NOT** exceed to the slope/gradient identified in the **MGB-accepted/approved Geological Assessment Report (GAR)** and strictly within the approved quarry site. Monthly report of extraction shall be incorporated in the quarterly and semi-annual monitoring reports (SMR and CMR);
27. That the proponent shall maintain a uniform depth of extraction at any given time on the approved area; and
28. That the proponent (**RODELIO D. MAYOGA**) 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.

ANNEX B



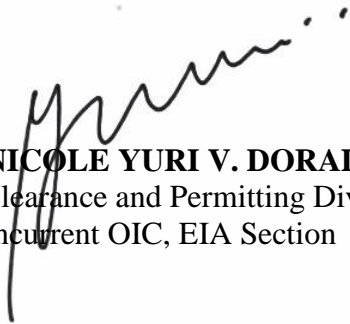
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PROJECT ASSESSMENT PLANNING TOOL

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, and by way of recommendation, forwarding these recommendations to the parties and authorities concerned for appropriate action.

| Regulatory Conditions | |
|--|--|
| 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 | |
| 2. 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. | Propo nent |

For dissemination and proper action of the parties concerned.



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



JOE AMIL M. SALINO
Regional Director



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