



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

DENR Compound, Visayas Avenue, Diliman Quezon City 1116
 Telephone Nos.: (632) 927-1517, 928-3725; Fax No.: (632) 920-2258
 Website: <http://www.emb.gov.ph>

13 AUG 2018
 ECC-CC-1807-0017

Atty. Timothy John R. Batan
 Undersecretary for Railways
DEPARTMENT OF TRANSPORTATION (DOTr)
 Pinatubo Street corner S. Osmeña Road
 Clark Freeport, Mabalacat, Pampanga

SUBJECT: ENVIRONMENTAL COMPLIANCE CERTIFICATE

Dear Sir:

This refers to the Environmental Compliance Certificate (ECC) application for the proposed **Malolos Clark Railway Project** traversing ten (10) municipalities/cities of Malolos and Calumpit in Bulacan; Apalit, Minalin, Sto. Tomas, San Fernando, Angeles and Mabalacat in Pampanga; and Bamban and Capas in Tarlac.

After satisfying the requirements in the said application and upon recommendation of the Environmental Impact Assessment Review Committee, the Department through the Environmental Management Bureau (EMB), has decided to issue the ECC for the above-mentioned Project.

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

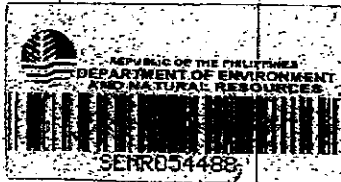
This Certificate does not create any right nor be used as an authorization to implement the project and you may proceed with the implementation only after securing all the necessary and relevant permits from other pertinent Government Agencies. This Office shall be monitoring the project periodically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

Please be guided accordingly.

Very truly yours,

By the Authority of the Secretary

ENGR. METODIO V. TURELLA
 Director



- cc: DENR Region III
- EMB Region III
- DENR - EMB
- DFWH
- DOLE
- PEVOLCS
- LGU - Province of Pampanga

- LGU - Province of Bulacan
- LGU - Province of Tarlac
- LGU - Malolos, Bulacan
- LGU - Calumpit, Bulacan
- LGU - Apalit, Pampanga
- LGU - Minalin, Pampanga
- LGU - Sto. Tomas, Pampanga

- LGU - San Fernando, Pampanga
- LGU - Angeles, Pampanga
- LGU - Mabalacat, Pampanga
- LGU - Bamban, Tarlac
- LGU - Capas, Tarlac

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AUG 20 2018

DATE
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 EMS II



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

ECC-CO-1807-0017

THIS IS TO CERTIFY THAT THE PROPONENT, **DEPARTMENT OF TRANSPORTATION (DOTr)**, as represented by its Undersecretary for Railways, Atty. Timothy John R. Batan, is granted this Environmental Compliance Certificate (ECC) for the proposed Malolos Clark Railway Project in the Provinces of Bulacan, Pampanga and Tarlac 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 documents labeled as Annexes A and B.

PROJECT DESCRIPTION

This ECC shall covers the construction and operation of the 72.5 km railway project traversing the following cities and municipalities:

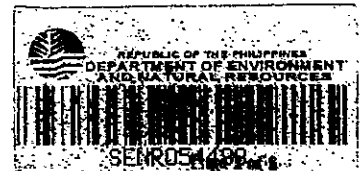
- Malolos, Bulacan
- Calumpit, Bulacan
- Apalit, Pampanga
- Minalin, Pampanga
- Sto. Tomas, Pampanga
- San Fernando, Pampanga
- Angeles, Pampanga
- Mabalacat, Pampanga
- Bamban, Tarlac
- Capas, Tarlac

The project shall have the following components:

Major Components	<ul style="list-style-type: none"> • 72.5km Main Railway Line • Seven (7) Stations • Maintenance Depot (area along Sacobia near Clark International Airport) • Electrical & Mechanical System • Rolling Stock
Support Facilities	<ul style="list-style-type: none"> • Substation Facilities • Drainage Facilities • Administration and Operation Center • Training Center • Maintenance Facilities • Construction Yard • Power Supply (MERALCO)
Pollution Control Devices	<ul style="list-style-type: none"> • Sewage Treatment Plant/3-Chamber Septic Tanks per commuter station, provision of muffler for gen set.

Environmental Compliance Certificate
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 Department of Transportation

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This Certificate is issued in compliance with the requirements of Presidential Decree No. 1586, and the implementing rules and regulations thereof. Non-compliance with any of the provisions of this Certificate 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 and shall be without prejudice to imposition of fines and penalties under other environmental laws, rules and regulations. The EMB, however, is not precluded from reevaluating, and correcting any deficiencies or errors that may be found after the issuance hereof this Certificate.

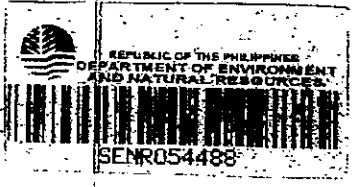
Issued at DENR, Quezon City, Philippines, this _____

Recommending approval:

ATTY. MICHAEL DRAKE P. MATIAS
Chief, EIAM Division

By the Authority of the Secretary:

ENGR. METODIO H. TUBELLA
Director



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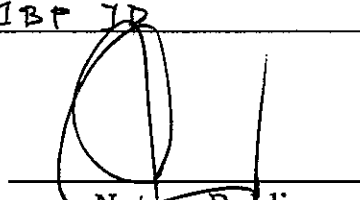
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STATEMENT OF ACCOUNTABILITY

I, **Timothy John R. Batan**, Undersecretary for Railways, representing **Department of Transportation** with office address located at Pinatubo Street corner S. Osmeña Road, Clark Freeport Zone, Mabalacat City, Pampanga, take full responsibility in complying with all conditions in this Environmental Compliance Certificate (ECC).


Signature

Subscribed and sworn to before me this ___ day of _____, 2018, the above-named affiant taking oath presenting IBP ID issued on _____ at Pasig City.


ATTY. JOHN EDWARD TRINIDAD ANG
Notary Public for Manila -UNTIL 12/31/2019
Notarial Commission No. 2018-117
470 SAN FERNANDO ST., BINONDO MANILA
IBP NO. 029311/ JAN.24, 2018-PASIG CITY
PTR. NO. 7002539 / JAN. 3, 2018- MALABON
ROLL NO. 68731/MCLE EXEMPT, ADMITTED MAY 2017

Doc. No. 174
Page No. 35
Book No. II
Series of 2018

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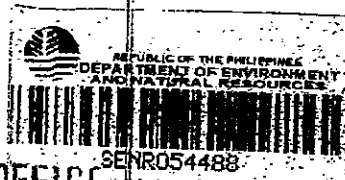
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I. CONDITIONS**ENVIRONMENTAL MANAGEMENT**

All commitments, mitigating measures and monitoring requirements, contained in the approved Environmental Impact Statement (EIS) particularly in the Environmental Management and Monitoring Plan (EMMoP) shall be instituted to minimize any adverse impact of the project to the environment throughout its implementation, including the following:

1. Conduct an effective and continuing Information, Education and Communication (IEC) Program through the use of most effective media to inform and educate all stakeholders, especially the contractors, workers, LGUs, businesses and local residents about the following:
 - a. Project impacts and mitigating measures embodied in its EIS;
 - b. Conditions stipulated in this Certificate;
 - c. Environmental and human safety features of the project, and
 - d. Health consciousness alerts for any project-induced discomfort (from dust, smell, noise, vibration) as the project progresses throughout the whole route.
2. Implement a comprehensive Social Development Program (SDP) and submit a separate report together with the Compliance Monitoring Report (CMR) to the EMB Central Office using CMR Online on a semi-annual basis pursuant to EMB MC 2016-01;
3. Submit detailed waste management program for proper handling, collection and disposal of solid, hazardous and liquid waste to EMB Central Office (CO) and EMB Region III within six (6) months prior to project construction. Proof of implementation shall be submitted together with the CMR;
4. Ensure that all the existing waterways affected by the proposed project construction are maintained and not obstructed;
5. Submit a detailed construction environmental management program, including mobilization and demobilization plans, for the construction yards one (1) month prior to project implementation. The plan should include the coordination with concerned local government units to promote compatibility of adjoining land uses with the intended project stations including its exit and entrance.
6. Submit a detailed plan for earth balling and replanting of mature native/endemic trees within three (3) months prior to project construction. The plan should include the following:
 - a. specific recipient sites which have already been prepared and conditioned;
 - b. ensure high degree of survival; and
 - c. provision for regular maintenance until trees have re-established in their new environment.

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7. Implement a greening program in line with the DENR's thrust for GHG emission reduction program. The program shall be submitted to EMB sixty (60) days prior to the project implementation;
8. Submit an approved Resettlement Action Plan (RAP) of the affected communities within two (2) months prior to project construction;
9. Conduct a detailed Traffic Impact Assessment (TIA) in coordination with the concerned LGU for every proposed station prior to project construction integrating proposed road expansion projects (if any) of the concerned government agencies. Transport of heavy structures shall be scheduled during the period that may not cause traffic in the area.

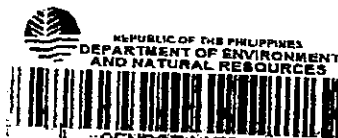
GENERAL CONDITIONS

10. The proponent shall set-up the following:
 - 10.1 A readily available and replenishable Environmental Guarantee Fund (EGF) to cover the following expenses:
 - a. for further environmental assessments, compensations/indemnification for whatever damages to life and property that may be caused by the project;
 - b. rehabilitation and/or restoration of areas affected by the project's implementation; and
 - c. abandonment/decommissioning of the project facilities related to the prevention of possible negative impacts; and as a source of fund for contingency and clean-up activities.
 - 10.2 Establish a Multipartite Monitoring Team (MMT) composed of representative(s) from the local environmental Non-Government Organization (NGO), POs, and the Local Government Units per DAO 2017-15. The MMT shall primarily oversee the compliance of the proponent with the Environmental Management and Monitoring Plan (EMMoP) and the ECC conditions;
 - 10.3 A replenishable Environmental Monitoring Fund (EMF) to cover all costs attendant to the operation of the MMT such as training, the hiring of technical experts and resource persons, fieldwork and transportation.

The amount and mechanics of the EGF, EMF and the establishment of the MMT shall be determined by the EMB Central Office and the proponent through a Memorandum of Agreement (MOA) which shall be submitted in sixty (60) days prior to construction;
11. Establish an Environmental Unit (EU) in sixty (60) days prior to construction that shall competently handle the environment-related aspects of the project. In addition to the monitoring requirements as specified in the Environmental Management and Monitoring Plan (EMMoP), the EU shall have the following responsibilities:
 - a. Monitor actual project impacts vis-à-vis the predicted impacts and management measures in the EIS;

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- b. Recommend revisions to the EMMoP, whenever necessary subject to the approval of EMB Central Office;
 - c. Ensure that data gathered during monitoring activities are properly documented, assessed, evaluated and reported in accordance with the standard formats; and
 - d. Ensure that monitoring and submission of reports to EMB CO are carried out as required.
12. The proponent shall ensure that its contractors and sub-contractors are provided with copies of this ECC including Environmental Management Plan (EMP) and that they will strictly comply with the relevant conditions of this Certificate;

II. RESTRICTIONS

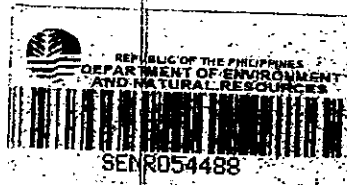
13. No activities shall be undertaken other than what were stipulated in the final EIS. Any expansion and/or modification of the project beyond the project description or change in alignment/route that will cause significant impacts to the environment shall be subject to a new Environmental Impact Assessment; and
14. In case of transfer of ownership of this Project, the same conditions and restrictions shall apply to the transferee or grantee who shall secure in writing the corresponding amendment of this ECC from the EMB Central Office within fifteen (15) working days reflecting such transfer.

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O.R. No : 8082983
 Date : 05/29/2018
 Processing Fee : Php 10,000.00

Environmental Compliance Certificate
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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 the surrounding areas, the following are recommended to the parties and authorities concerned for appropriate action.

OTHER REGULATORY REQUIREMENTS/CONDITIONS	CONCERNED GOVERNMENT AGENCIES/ENTITIES
1. Strict compliance with the Revised National Structural Code of the Philippines;	LGU concerned
2. Compliance with the Sanitation Code of the Philippines;	Department of Health (DOH) and LGU concerned
3. Compliance with the Labor Code of the Philippines;	Department of Labor and Employment (DOLE)
4. Compliance with the Building Code of the Philippines;	LGU concerned
5. Ensure compliance with the Ecological Solid Waste Management Act;	LGU concerned
6. Secure Certificate of Non-overlap if applicable	NCIP
ENVIRONMENTAL PLANNING RECOMMENDATIONS FOR THE PROPONENT	
7. Priority of employment shall be given to qualified local residents. Opportunities for qualified PWDs, women, senior citizens, where possible, shall be considered. Adequate public information for jobs available to local residents in the affected areas will be provided.	

f.
ATTY. MICHAEL DRAKE P. MATIAS
 Chief, EIAM Division

[Signature]
ENGR. METODIO U. TORRELLA
 Director

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