



**Republic of the Philippines**  
**Department of Environment and Natural Resources**

Visayas Avenue, Diliman, Quezon City 1116  
Tel. Nos.: (632) 929-66-26 to 29 • (632) 929-65-52  
929-66-20 • 929-66-33 to 35  
929-70-41 to 43

14 MAR 2013

**ECC-CO-1301-0002**

**Maria Catalina E. Cabral, Ph. D.**  
*Assistant Secretary for Planning and PPP*  
**DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS**  
DPWH Central Office, Bonifacio Drive,  
Port Area, Manila

**SUBJECT: ENVIRONMENTAL COMPLIANCE CERTIFICATE**

Dear **Dr. Cabral**:

This refers to your submitted Environmental Impact Statement Report (EIS) in connection with your Environmental Compliance Certificate (ECC) application for the proposed **Cavite-Laguna Expressway (CALAX) Project (Laguna Section)** located at the of Municipality of Silang, in Cavite, and the Cities of Santa Rosa and Biñan in the Province of Laguna

After satisfying the requirements and upon recommendation of the Environmental Management Bureau (EMB), this Department has decided to grant an ECC in favor of the above-mentioned project.

With the issuance of this ECC, you are expected to fully implement measures presented in the EIS intended to protect and mitigate the project's adverse impacts on community health, welfare and the environment. However, you cannot proceed with project implementation without securing first the necessary permits from other pertinent Government Agencies.

Finally, environmental considerations shall be incorporated in all phases and aspects of the Project, and this Office will be strictly monitoring the project periodically to ensure full compliance with all stipulations cited in the attached ECC.

Please be guided accordingly.

Very truly yours,

By the Authority of the Secretary

  
**ATTY. JUAN MIGUEL T. CUNA, CESO IV**  
OIC Director

cc: EMB Regional Office No. IV-A  
LGU – Province of Cavite  
LGU – Municipality of Silang  
LGU - Province of Laguna  
LGU – City of Sta. Rosa  
LGU – City of Binan

ENVIRONMENTAL COMPLIANCE CERTIFICATE  
**Cavite-Laguna Expressway (CALAX) Project (Laguna Section)**  
**DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS**  
Provinces of Cavite and Laguna

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*Let's Go Green!*







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**ENVIRONMENTAL COMPLIANCE CERTIFICATE**  
(Issued under Presidential Decree No. 1586)  
**ECC-CO-1301-0002**

THIS IS TO CERTIFY THAT THE PROPONENT, **DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS**, as represented by its Assistant Secretary for Planning and PPP, Maria Catalina E. Cabral, PhD., is granted this Environmental Compliance Certificate (ECC), for its **Proposed Cavite-Laguna Expressway (CALAX) Project (Laguna Section)** located at the Municipality of Silang, in Cavite, and the Cities of Santa Rosa and Biñan in the Province of Laguna, by the Department of Environment and Natural Resources (DENR), through the Environmental Management Bureau (EMB), subject to the conditions and restrictions set out herein labeled as Annexes A and B.

**PROJECT DESCRIPTION**

The proposed Cavite-Laguna Expressway (Calax)-Laguna Section Project encompasses the Municipality of Silang in Cavite, and the Cities of Santa Rosa and Biñan in the Province of Laguna. The proposed expressway is composed of the following components:

- **4-Lane Expressway Length = 18.10 km;**
- **Interchanges, 4;**
- **Elevated Section, Length = 5.04 km;**
- **Road Crossings, 5 and**
- **Toll Barrier, 1**

It will connect the north side of Manila-Cavite Expressway, through the Provinces of Cavite and Laguna to join with Aguinaldo Highway at Silang, Cavite and then eastward to connect with South Luzon Expressway (SLEX), which will provide onward access to Batangas Port.

This Certificate is issued in accordance with the requirements of Presidential Decree No. 1586 and DENR Administrative Order No. 2003-30. 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 (₱ 50,000.00) for every violation thereof without prejudice to imposition of fines and penalties under other environmental laws. This Bureau, however, shall not be precluded from reevaluating, amending and correcting any deficiency or error that may be found after the issuance of this Certificate.

Issued at DENR, Quezon City, Philippines, this \_\_\_\_\_.

Recommending Approval:

**ATTY. MICHAEL DRAKE P. MATIAS**  
OIC, EIAMD

Approved by the Authority of the Secretary:

**ATTY. JUAN MIGUEL T. CUNA, CESO IV**  
OIC, Director



**SWORN ACCOUNTABILITY STATEMENT**

I, **Rogelio L. Singson**, of **Department of Public Works and Highways (DPWH)**, proponent of this **Cavite-Laguna Expressway (CALAX) Project (Laguna Section)** to be located at the Municipality of Silang, in Cavite, and the Cities of Santa Rosa and Biñan in the Province of Laguna, takes full responsibility in complying with all conditions contained in this Environmental Compliance Certificate (ECC).



*Rogelio L. Singson*  
Signature

TIN 133 - 836 296

Subscribed and sworn to before me on this 05 APR 2013 day of \_\_\_\_\_ 2013, the above-named affiant taking oath and presenting his/her Residence Certificate No. 22024004 issued on JAN. 11 2013 at MAKATI CITY.

*[Signature]*  
Signature of Administering Office

ATTY. RANDY P. BARENG  
NOTARY PUBLIC UNTIL DEC. 31, 2013  
PTR NO. 1405678-12-28-12  
IBP NO. 08717112-2-11  
ROLL NO. 47692

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## I. CONDITIONS

### ENVIRONMENTAL MANAGEMENT

All commitments, mitigating measures and monitoring requirements, especially those contained in the Environmental Management Plan (EMP)/ Environmental Monitoring Plan (EMoP) in the Environmental Impact Statement (EIS), together with all its modifications and additional information as approved by the EMB shall be instituted to minimize any adverse impacts of the project to the environment throughout its implementation, which shall include among others the following:

1. Implement a dust control system along the project site to suppress the ambient suspended particulate matters generated during the construction activity;
2. Construction and installation of drainage structures such as ditches, culverts and pipe drains to divert surface and run-off water;
3. Implementation of a Social Development Program including employment priority for local residents within the direct impact areas;
4. Undertake an effective and continuing Information, Education and Communication (IEC) Program to inform and educate all stakeholders, especially the local residents regarding the project's mitigating measures as embodied in the EIS as well as all the conditions stipulated in this Certificate and mitigation measures for greater awareness, understanding and sustained acceptance of the project. The proponent shall formulate and implement an annual detailed IEC program to commence within six (6) months from approval of this Certificate in coordination with EMB Regional Office No. IV-A;
5. The proponent shall implement a reforestation and carbon sink program to mitigate greenhouse gas (GHG) emissions from the project in line with the DENR's thrust for GHG emission reduction program. The program shall be submitted to EMB prior to the project implementation;

### GENERAL CONDITIONS

6. The project operations shall conform with the provisions of RA 6969 (Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990), RA 8749 (Philippine Clean Air Act of 1999), RA 9003 (Ecological Solid Waste Management Act of 2000) and RA 9275 (Philippine Clean Water Act of 2004);
7. Establishment of an Environmental Unit (EU) to effectively handle, implement, and manage all environmental-related aspects of the project. Proof of establishment of the EU shall be submitted to EMB CO within sixty (60) days from receipt hereof. The EU shall also have the following responsibilities:
  - a. Implement the approved Environmental Management and Monitoring Program; and
  - b. Monitor actual impacts vis-à-vis the predicted impacts on human/social and physical environment and environmental management measures in the EIS;





8. The proponent shall set up the following:

- a. A readily available and replenishable Environmental Guarantee Fund (EGF) to cover the following:
  1. Expenses for further environmental assessments;
  2. Compensation and indemnification for whatever damages to life and property that may be caused by the project; and
  3. Rehabilitation and/or restoration of areas affected by the project's implementation
- b. A Multi-partite Monitoring Team (MMT) composed of representative(s) from the proponent, the EMB-Regional Office, the local environmental Non-Government Organization (NGO), the host Local Government Units (LGUs), and other concerned government agencies shall be organized. The MMT shall primarily oversee the compliance of the proponent with the Environmental Management Plan (EMP)/ Environmental Monitoring Plan (EMoP), other commitments and mitigation measures that are contained in the Project EIS documents and the ECC conditions; and
- c. A replenishable Environmental Monitoring Fund (EMF) [consistent with the provisions of DAO 2003-30] to cover all costs attendant to the operation and monitoring activities of the MMT including but not limited to the capability building, training, actual sampling and laboratory analysis.

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 in consultation with the Regional Office, through an integrated Memorandum of Agreement, which shall be submitted to the EMB Central Office within sixty (60) days upon receipt of this Certificate;

9. The proponent shall submit to the EMB Central Office a Traffic Impact Assessment (TIA) Study within thirty (30) days from receipt of this ECC;
10. The proponent shall submit to the EMB Central Office a Solid Waste Management Plan (SWMP) within thirty (30) days from receipt of the ECC. The SWMP shall be immediately implemented from receipt hereof;
11. The proponent shall ensure that all relevant conditions of this Certificate are strictly complied with by its commissioned contractors/sub-contractors during all project phases;

## II. RESTRICTIONS

12. No other activities shall be undertaken other than those stipulated in the EIA Report. Expansion of the project beyond those stated in the Environmental Impact Statement shall be subject to a new Environment Impact Assessment; and
13. Transfer of ownership of this project shall carry the same conditions and notification must be made by herein grantee to EMB within fifteen (15) days from such transfer.

O.R. No. : 7145218  
Date : 12/13/2012  
Processing Fee : Php 6000.00

DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS  
Cavite-Laguna Expressway (CALAX) Project (Laguna Section)  
Provinces of Cavite and Laguna







**PROJECT ASSESSMENT PLANNING TOOL**

For the assistance of the Proponent and Government agencies concerned in the management of the project and for better coordination in mitigation of the impacts of the project to its surrounding areas and to the environment, the following are recommended to the parties and authorities concerned for appropriate action.

A. REGULATORY CONDITIONS/RECOMMENDATION	RESPONSIBLE AGENCY
1. Compliance with the following: a) Sanitation Code of the Philippines; b) Labor Code of the Philippines including occupational safety and health standards; c) Building Code of the Philippines for building structures and drainage system; d) Republic Act No. 8974 ( <i>An Act to facilitate the acquisition of right-of-way of way, site or location for National Government Infrastructure Projects and for other purposes</i> ), if necessary.	DOLE DOH LGU Municipal Planning and Development Office/LGU DPWH/Proponent
2. Provision of adequate storm drainage canals, concrete culverts, and other flood control measures to prevent silt-laden runoff discharging the water bodies.	Provincial/Municipal Engineering Office
3. Coordination with the LGUs concerned on the implementation of the Solid Waste Management Program and Formulation of traffic Management Program.	LGU/DENR
4. Provide resettlement/relocation program for the displaced informal settlers in accordance with the provisions of RA 7279 ( <i>An Act to provide for a comprehensive and continuing urban development and housing program, establish the mechanism for its implementation, and for other purposes</i> ), if necessary	NHA/LGU Concerned
5. Compliance with FMB-DENR Tree Cutting Permit Requirements	FMB
<b>B. ENVIRONMENTAL PLANNING RECOMMENDATIONS FOR THE PROPONENT</b>	
6. Implement an employment prioritization scheme for hiring of qualified local residents within the affected areas.	
7. Design and undertake an effective continuing Information, Education and Communication (IEC) Program throughout the pre-construction, construction and operational phases of the project especially on the Traffic Management Plan to be implemented.	
8. First aid facilities and services for staff and employees shall be made available on-site during construction and operation of the project.	

  
**ATTY. MICHAEL DRAKE P. MATIAS**  
 OIC-Chief, EIAM Division

  
**ATTY. JUAN MIGUEL T. CUNA, CESO IV**  
 OIC Director

