



Republic of the Philippines  
**Department of Environment and Natural Resources**  
Visayas Avenue, Diliman, Quezon City, 1100  
Tel. Nos. (632) 929-66-26 to 29 • (632) 929-62-52  
929-66-20 • 929-66-33 to 35  
929-70-41 to 43

#133187

1998 - 1998



**9305-004-208C**

**Mr. Carlos P. Doble**

General Manager

**PUBLIC ESTATES AUTHORITY/UEM-MARA**

7<sup>th</sup> Flr., Legaspi Towers 200,  
Paseo de Roxas, Makati City

Dear Sir:

This has reference to your proposed **C-5 Link Expressway Project** connect **R-1 Expressway (Gen. E. Aguinaldo Highway)** to **South Luzon Expressway junction with C-5 Road**.

After evaluation of the documents submitted on the aforesaid project, this Office has decided to grant the same an Environmental Compliance Certificate (ECC).

You may proceed with project implementation after securing permits from the pertinent government agencies. Please be advised, however, that this Office will be monitoring the project periodically to ensure your compliance with the stipulations cited in the attached Environmental Compliance Certificate (ECC). Further, any expansion of currently approved operations will be subject to the Environmental Impact Assessment (EIA) requirements.

Very truly yours,

**ANTONIO H. CERILLES**  
Secretary

**ENVIRONMENTAL COMPLIANCE CERTIFICATE**  
**9305-004-208C**

The Department of Environment and Natural Resources (DENR), through the Environmental Management Bureau (EMB), hereby grants this Environmental Compliance Certificate (ECC) to the proposed **C-5 LINK EXPRESSWAY PROJECT** of the **PUBLIC ESTATES AUTHORITY/UEM-MARA** that will connect R-1 Expressway (Gen. E. Aguinaldo Highway) to South Luzon Tollway junction with C-5, after complying with the Environmental Impact Assessment (EIA) requirement as prescribed in the promulgated guidelines implementing Section 3 (b) of P.D. 1121 and P.D. 1586.

This Certification is being issued subject to the following conditions:


**A. GENERAL CONDITIONS**

1. This Certificate covers only the construction and operation of a 3-lane dual carriageway with a total length of approximately 7.5 kms., including its complementary components, that will connect R-1 Expressway (Gen. E. Aguinaldo Highway) to South Luzon Tollway junction with C-5;
2. The remaining mangroves covering 6.6 hectares shall be protected and conserved to ensure continued research activities by the DENR-ERDB and NCR. Access and field station in the area as stipulated in the Supplemental MOA between DENR and PEA dated 19 March 1998 shall likewise be provided;
3. The proponent shall ensure that all the relevant conditions in this Certificate are properly complied with by its commissioned contractors and sub-contractors;
4. Installation of appropriate and effective roadside noise barriers and/or planting of trees with thick foliage along the road for purposes of reducing or mitigating the impacts of traffic noise and particulates in the neighboring commercial and residential areas, shall be undertaken;
5. All other appropriate mitigating/enhancement measures stated in the submitted EIS document, modifications to it and as approved by the EMB shall be strictly implemented;
6. Qualified local residents in the area/adjacent areas shall be given priority in employment;
7. The proponent shall undertake an effective and continuing Information, Education and Communication (IEC) program to explain to local residents and other stakeholders, the mitigative measures in the EIS as well as the conditions of this Certificate. Also, the proponent shall dialogue with complainants to settle any conflicts and/or misunderstanding and address the concerns of these groups so that satisfactory public acceptance of the project can be achieved;
8. Coordination with the Local Government Units (LGUs) and other government and private agencies including public utility services such as the Manila Water, Philippine Long Distance Telephone Company (PLDT), Manila Electric Company (MERALCO) shall be effected before and during project construction;



9. Any false information contained in the submitted documents and non-disclosure of vital information which led to the issuance of the ECC shall render the same null and void and can be a ground for filing of appropriate legal charges;
10. Any expansion and/or modification of the currently approved operations shall be subject to another Environmental Impact Assessment (EIA) requirements;
11. All other relevant permits from other government agencies shall be secured before project construction;
12. This Certificate shall be considered automatically revoked if the project has not commenced within a period of five (5) years from the issuance thereof or suspension/stoppage of operation extends to two (2) years, such that significant changes in land and resources use have occurred in the project area and its vicinities;
13. Transfer of ownership of this project carries the same conditions in this ECC for which written notification shall be made within fifteen (15) days from such transfer;

**B. PRE-CONSTRUCTION PHASE**

14. A Resettlement, Compensation, Livelihood and Skills Training Program duly approved by all affected families/parties shall be submitted to the EMB and the DENR-National Capital Region (NCR), ninety (90) days upon receipt of this Certificate;
  15. A Traffic Management Program (TMP) to include alternative re-routing plan, traffic schemes, posting of road signs/warning lights and schedule of construction activities, shall be developed and implemented in coordination with relevant government agencies. A copy of this TMP shall be submitted to EMB;
  16. An Environmental Unit shall be established and provided with appropriate resources and manpower to implement the Environmental Management Plan and other measures that may be required by the DENR during the construction and operational phases;
  17. Landscaping and re-greening program shall be undertaken at strategic locations along the road segment;
  18. The proponent shall set up the following:
    - 18.1. A readily available and replenishable Environmental Guarantee Fund (EGF) to cover the following: expenses for further environmental assessment; compensation/indemnification for whatever damages to life and property that may be caused by the project; rehabilitation and/or restoration of areas affected by the project's implementation; and abandonment of the project activities related to the prevention of the possible negative impacts;
    - 18.2. A Multipartite Monitoring Team (MMT) composed of representatives from the DENR (ERDB, NCR), Local Government Units (LGUs), the affected communities, concerned Non-Governmental Organizations (NGOs) and the proponent. The MMT shall primarily oversee the proponent's compliance with the Environmental Management Plan, the ECC conditions and all applicable laws, rules and regulations;
- 



- 18.3. A replenishable Environmental Monitoring Fund (EMF) to cover all costs attendant to the operation of the Multipartite Monitoring Team (MMT) such as training, sampling and analysis, hiring of technical experts, meals, accommodations and transportation;

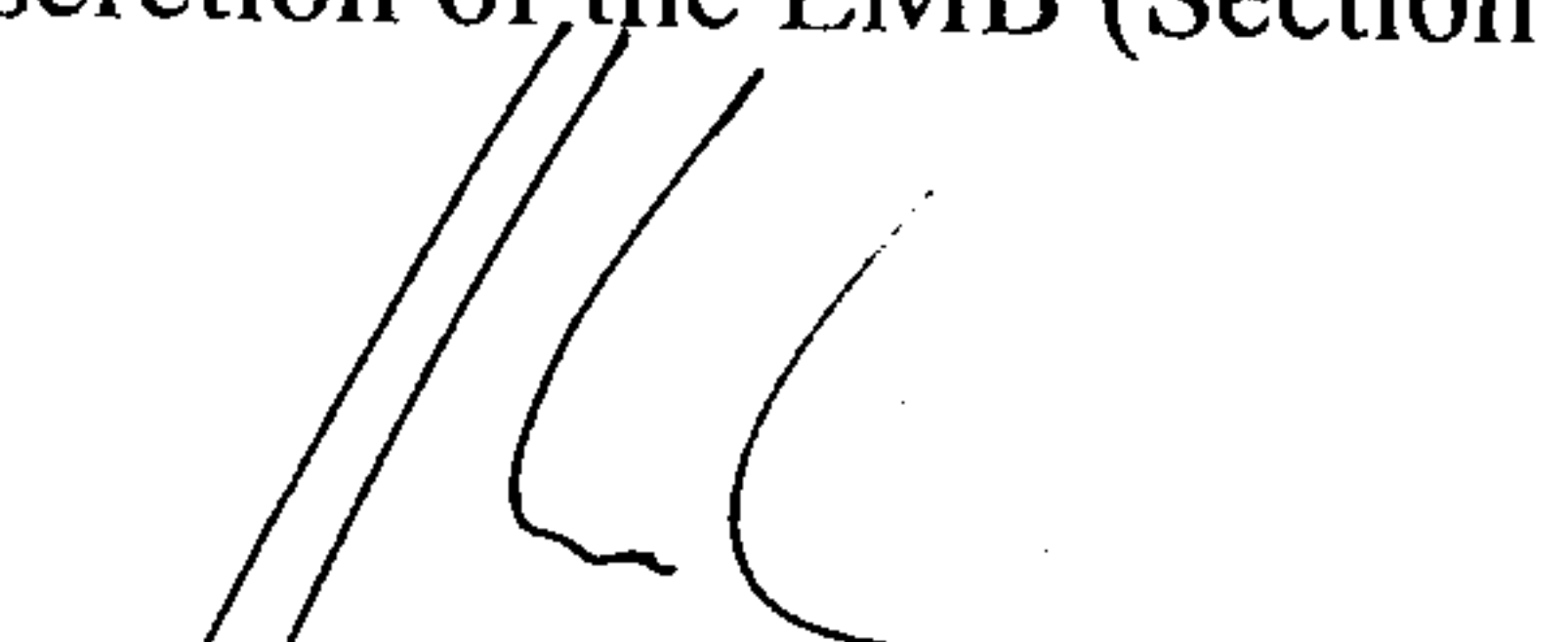
The amount and mechanics of the EGF, EMF and the establishment of the MMT shall be determined by the DENR and the proponent in consultation with DENR-National Capital Region (NCR), and the affected community, through a Memorandum of Agreement (MOA) which shall be submitted sixty (60) days after receipt of this Certificate. **The absence of this EGF shall cause the cancellation of this Certificate;**

**C. CONSTRUCTION AND IMPLEMENTATION PHASE**

19. Measures to mitigate the increase in suspended particles especially during the construction period shall be effected through regular sprinkling of water on exposed road surfaces. Likewise, measures to reduce soil erosion/siltation in the adjoining creeks shall be effected by proper installation of silt traps, slope protection walls or similar structures;
20. Cutting/disposition of trees within the proposed area shall be in accordance with existing forestry laws, rules and regulations and under the close supervision of DENR-NCR personnel. Every tree that will be lost as a result of the construction of the expressway shall be replaced with twenty (20) saplings each of the same species in an area to be designated by the DENR-Regional Units. A report on the activity shall be submitted to the EMB and the DENR-NCR Forestry Sector;
21. Drainage structures such as ditches, culverts and pipe drains shall be installed to divert surface water and run-off away from the construction site and to further protect the slopes from soil erosion;
22. Measures shall be undertaken to minimize noise and vibrations brought about by earthwork activities and heavy equipment during construction especially along portions of the route which are close to noise-sensitive areas, such as hospitals, schools and churches;
23. Provisions to mitigate the impact of solid and liquid wastes expected to be generated during the project construction and implementation shall be enforced;
24. Proper handling, collection and disposal of oil/lubricants, worn-out tires and other spare parts used/discarded by the heavy equipment machinery shall be strictly effected;
25. Health, safety and proper sanitation shall be implemented. Personal protective gadgets shall be provided to prevent health and occupational hazards specifically during the construction period, as prescribed by the Department of Health (DOH) and Department of Labor and Employment (DOLE)-Bureau of Working Conditions (BWC);
26. Toilet facility/ies shall be constructed strategically along the route. The maintenance of facilities and utilities shall be undertaken regularly by the proponent.

Non-compliance with any of the above conditions shall be sufficient cause for the suspension of this Certificate and/or imposition of fine in the amount not to exceed Fifty Thousand Pesos (P50,000.00) for every violation thereof, at the discretion of the EMB (Section 9 of P.D. 1586).

Granted this

  
**ANTONIO H. CERILLES**  
Secretary 