



Department of Environment and Natural Resources  
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ENVIRONMENTAL COMPLIANCE CERTIFICATE  
 0205-383-208

The Department of Environmental and Natural Resources (DENR) through the Environmental Management Bureau (EMB) hereby grants this Environmental Compliance Certificate (ECC) to the proposed Upgrading of Inter-Urban Highway System (Plaridel Bypass Road Project) of the *Department of Public Works and Highways* 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 Certificate is being issued subject to the following conditions.

1. This Certificate is valid only for the construction of a 21.870 kilometer bypass road traversing the Municipalities of Balagtas, Guiguinto, Plaridel, Bustos, and San Rafael Bulacan,
2. Proponent shall make formal representation in writing to the Local Government Unit's (LGU's) concerned not to allow the conversion of agricultural land traversed by the bypass road project to prevent the proliferation of linear urban development along the road side, maintain light road side friction and avoid traffic congestion that would reduce designed road speed (80 kph);
3. A separate ECC for the concrete mixing plants shall be secured from the EMB Region Office;
4. Utilization of trees within the access roads shall be in accordance with the existing Forestry Laws Rules and Regulations. Timber and other forestry products shall not be cut or utilized unless covered by a valid permit from the Forest Management Sector, DENR and all other permits required by other government agencies shall be secured prior to construction;
5. All commitments, mitigating measures and monitoring requirements, especially those contained in the Environmental Impact Statement (EIS) particularly in the Environmental Management and Monitoring Plans, including all its modifications; and additional information as approved by the EMB shall be instituted to minimize any adverse impact of the project on the environment throughout the project implementation including the following:
  - 5-1. Just compensation, in accordance with the provisions of R.A. 8974, shall be fully paid to all affected landowners, tenants, and other affected parties, before start of construction. A Resettlement Action Plan (RAP) to include computations of said just compensation shall be submitted to the EMB six (6) months after the completion of the parcellary survey. In addition, proofs of payment verified by the EMB Regional Office must be submitted six (6) months after completion of ROW acquisition;

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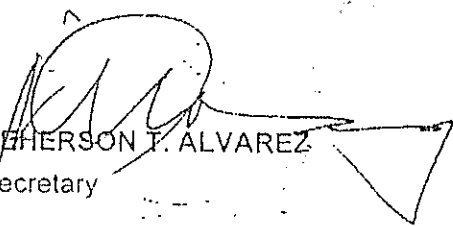
- 5.2 The proponent shall design and undertake a continuing Information, Education and Communication Program (IEC) throughout the pre-construction, construction and operational phases of the project. The IEC program should be specifically implemented in the affected municipalities. A formal report shall be submitted to EMB Central Office 6 months after issuance of the ECC;
- 5.3 A workable Traffic Management Program to include schedule of construction activities, specific alternative re-routing plan, traffic schemes (i.e., posting of road signs/ warning lights) shall be implemented in coordination with relevant government agencies, a formal report shall be submitted to EMB CO 6 months after issuance of the ECC;
- 5.4 Provide a mechanism to implement its Social Development Program (SDP) in order to ensure workability and sustainability of essential components of livelihood projects, such as training of Project Affected Persons (PAPs) whose only source of income will be permanently removed. The DPWH shall enter into a Memorandum of Agreement (MOA) with the DECS-TESDA to conduct such training. Said MOA shall embody the conditions upon which the provision of skills training to aforesaid PAPs will be successfully carried out. A copy of the draft MOA shall be submitted to EMB CO 6 months after issuance of the ECC;
- 5.5. The Proponent shall require their contractors to formulate a doable construction safety and hazard control measures and a contingency response plan to minimize occupational risk and health hazards to workers, residents and passers-by and shall ensure that its contractors properly comply with the relevant conditions of this Certificate;
- 5.6 Appropriate design shall be incorporated to prevent or mitigate flooding of areas affected by the bypass roads and to ensure continuous flow of irrigation water;
- 5.7 Drainage structures such as ditches, culverts and pipe drains including silt traps and similar structures shall be installed to divert surface water run-off away from the construction site. The planting of available indigenous vegetation to protect the slopes from soil erosion and reduce siltation in the adjoining creeks shall be implemented;
- 5.8 All construction spoils, stripped vegetation, discarded construction materials and debris shall be regularly collected, stockpiled and stored at a DENR approved site before disposal;
- 5.9 Proper handling, collection and disposal of oil/lubricants, worn-out tires, and other used/discarded parts used by heavy equipment shall be strictly effected;
- 5.10 Adequate vegetated buffer zone along the proposed bypass road shall be undertaken to mitigate the impacts of road use and improve the aesthetic value of the area;
- 5.11 Regular maintenance of drainage facilities in the proposed bypass road shall be undertaken to prevent frequent occurrence of flooding in the area.
- 5.12 Quarterly submission of monitoring reports to the EMB CO and RO shall be undertaken on the compliance with the ECC conditions and the EMP;

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6. The proponent shall ensure that contractor's All Risk Insurance (CARI) is provided to cover expenses for the indemnification/compensation of damage to life and property that may be caused by the implementation of the project facilities related to the prevention of possible negative impact;
  7. To supplement CARI, a Quick Response Fund (ORF) shall also be set up by the proponent to be used for emergency repairs/restoration of critically damaged infrastructure facilities after calamity in order to restore mobility and ensure safety in the affected areas;
  8. This Certificate is considered automatically revoked if the project has not commenced within a period of five (5) years after the issuance hereof;
  9. The transfer of ownership of this project carries it with the responsibility of complying with all the conditions of the Certificate, the EMB of which shall be informed of said transfer through a written notification to the DENR-EMB within (15) days from such transfer.

Non-compliance with any of the above stipulations will be sufficient cause for the suspension or cancellation of this Certificate and/or fine in the amount not to exceed Fifty Thousand Pesos (PHP 50,000) for every violation thereof, at the discretion of the Environmental Management Bureau (section 9 of P.D. 1586).

Granted this **NOV 19 2002**



HEHERSON T. ALVAREZ  
Secretary