



ENVIRONMENTAL COMPLIANCE CERTIFICATE
 (Issued Under Presidential Decree 1586)
R03-12272017-4316

THIS IS TO CERTIFY THAT THE BASES CONVERSION AND DEVELOPMENT AUTHORITY (BCDA) / URBAN INTEGRATED CONSULTANTS, INC. (UICI) are granted this Environmental Compliance Certificate (ECC) for the Road Network Development of the proposed Airport-New Clark City (NCC) Access Road, MacArthur – NCC Access Road, MacArthur –SCTEX Access Road and Olympic Village Access Road to be located at Bamban and Capas, Tarlac, by the Department of Environment and Natural Resources (DENR), through the Environmental Management Bureau, Region III.

THIS IS SUBJECT to the conditions and restrictions set-out in this ECC and in the attached document labeled as Annex A. Recommendations have been provided in Annex B as guidance to concerned government agencies and local government units for consideration in their decision making.

This ECC covers the Road Network Development Project (Group 3.4.2) with a total length of 35.552 kilometers with the following project components:

- 1) 6 Lane Airport-NCC Access Road with a total length of 19.826 kms and 48 meters primary arterial road + 20.00m future rail with the following features:
 - 1.8m wide road median
 - 3 @3.50m carriageway lanes (each direction)
 - 2.50m green area (each direction)
 - 3.60m bike lane/drainage line (each direction)
 - 1.50m green area (each direction)
 - 5.00m sidewalk /utility corridor (each direction)
 - Streetlighting
 - 20.00m ROW provision for rail
 - Roundabout interchange connection at Prince Balagtas Highway

Project Geographical Coordinates/Location:

| | | |
|-------------------------|--------------|--------------|
| Airport-NCC Access Road | Start | End |
| North Latitude - | 1683738.243° | 1699078.585° |
| East Longitude - | 452087.113° | 448658.474° |

- 2) Lane MacArthur-New Clark City Access Road with a total length of 7.448 kms and 55.00m primary arterial road with the following features
 - 1.8m wide road median
 - 4 @3.5m carriageway lanes (each direction)
 - 2.50m green area (each direction)
 - 3.60m bike lane/drainage line (each direction)
 - 1.50m green area (each direction)
 - 5.00m sidewalk/utility corridor (each direction)
 - Streetlighting

Project Geographical Coordinates/Location:

| | | |
|---------------------------|--------------|--------------|
| MacArthur-NCC Access Road | Start | End |
| North Latitude - | 1693143.691° | 1696521.207° |
| East Longitude - | 454002.968° | 448658.709° |

3) Lane MacArthur-SCTEX Access Road with a total length of 4.605kms and 60.00m primary arterial road with the following features

- 1.8m wide road median
- 2 @3.50m carriageway lanes (each direction)
- 2.50m shoulder (each direction)
- Cloverleaf interchange connection at MacArthur Highway
- Trumpet interchange connection at SCTEX
- Toll Plaza
- Streetlighting

Project Geographical Coordinates/Location:

| | | |
|-----------------------------|--------------------------|--------------------------|
| MacArthur-SCTEX Access Road | Start | End |
| North Latitude - | 1693143.691 ^o | 1690874.090 ^o |
| East Longitude - | 454002.968 ^o | 457724.585 ^o |

4) Olympic Village Access Road

- 8 lane road with a total length of 0.90kms and 55m primary arterial road with the following features:
 - o 2.8m wide road median
 - o 1 @3.50m carriageway lane for BRT or LRT (each direction)
 - o 0.50m curb separator between BRT/LRT and normal lane
 - o 3 @ 3.50m carriage lanes (each direction)
 - o 2.50m green area (each direction)
 - o 3.60m bike lane/drainage line (each direction)
 - o 1.50m green area (each direction)
 - o 4.00m sidewalk/utility corridor (each direction)
 - o Streetlighting
- 6 lane road with a total length of 0.745kms and 48.00m minor arterial road with the following features:
 - o 1.8m wide road median
 - o 3@3.50m carriageway lane (each direction)
 - o 2.50m green area (each direction)
 - o 3.60m bike lane/drainage line (each direction)
 - o 1.50m green area (each direction)
 - o 5.00m sidewalk/utility corridor (each direction)
 - o Streetlighting
- 4 lane road with a total length of 2.028kms and 38.00m collector road with the following features:
 - o 1.8m wide road median
 - o 2@3.50m carriageway lane (each direction)
 - o 2.1m green area (each direction)
 - o 3.60m bike lane/drainage line (each direction)
 - o 1.5m green area (each direction)
 - o 3.9m sidewalk/utility corridor (each direction)
 - o Streetlighting

Project Geographical Coordinates/Location:

| | | |
|-----------------------------|--------------------------|--------------------------|
| Olympic Village Access Road | Start | End |
| North Latitude - | 1693780.430 ^o | 1694342.577 ^o |
| East Longitude - | 446670.414 ^o | 445967.569 ^o |
| North Latitude - | 1694342.577 ^o | 1694639.265 ^o |
| East Longitude - | 445967.569 ^o | 445596.623 ^o |
| North Latitude - | 1694639.265 ^o | 1695906.058 ^o |
| East Longitude - | 445596.623 ^o | 444012.766 ^o |


This certification is issued in compliance to the requirements of Presidential Decree No. 1586, in accordance to Department Administrative Order No.30-2003. The Bureau, however, is not precluded from reevaluating, adding, removing, and correcting any deficiencies or errors that may be found after issuance of this certificate.

Issued at City of San Fernando, Pampanga this DEC 27 2017.

Recommending Approval:

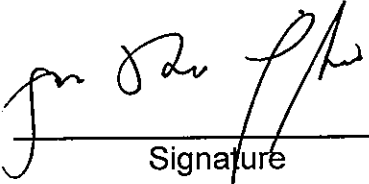

DENNIS O. CELESTIAL
Chief, Clearance and Permitting Division

Approved by:


LORMELYN E. CLAUDIO, CESO IV
Regional Director

SWORN STATEMENT OF OWNER/AUTHORIZED REPRESENTATIVE

I Egren David, proponent of this BCDA / UICI located at Bamban and Capas Tarlac takes full responsibility in complying with all conditions contained in this Environmental Compliance Certificate (ECC).


Signature

TIN _____

Subscribed and sworn to before me this JAN 22 2018 day of _____, 2017, the above-named affiant taking oath presenting Residence Certificate No. _____ issued on _____ 2017 at _____.


NOTARY PUBLIC

ATTY BIENVENIDO B. BACANI
Notary Public
Until December 31, 2019
PTR No. 8967522-1/3/18
IBP No. 1086716-1/3/18
Roll No. 25657
MCLE No. V-0005353-2/23/15

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I. CONDITIONS

A. ENVIRONMENTAL MANAGEMENT and MONITORING PLAN (EMMoP)

1. All mitigating measures in the submitted Initial Environmental Impact Statement (EIS) shall be implemented;
2. Construction/rehabilitation spoils and debris and other waste generated shall be properly managed and disposed pursuant to Ecological Solid Waste Management Act (RA 9003). Likewise, the proponent shall implement waste minimization, segregation, re-use and other ecological solid waste management practices;
3. 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 Regional Office on an annual basis;
4. Adequate slope protection measures shall be provided on steep sloping road cuts and in areas identified with potential risks to erosion to prevent landslides and soil erosion;
5. Traffic Management Plan and Spoil Management Program shall be submitted for approval of this Office within thirty (30) days from issuance of this Certificate;
6. Planting of native tree species shall be undertaken either within the project site or in other areas as part of the proponent's social and environmental program. The proponent shall submit to this Office within thirty (30) days from the date of approval of this ECC the Tree/Vegetation Plantation Plan which includes quantities and plant species, area/location and planting strategy and management programs, etc.;
7. Appropriate mitigating measures to address dust dispersion during road construction shall be implemented (i.e. mobile road water spraying, etc.);

B. GENERAL CONDITIONS

8. An EGGAR Engineering Geological and Geohazard Assessment Report (EGGAR) that is based on the Geological Site Scoping Report (GSSR) from the Mines and Geosciences Bureau (MGB) Region 3 shall be undertaken prior to project development and shall form part of the ECC conditions and shall be integrated in the structural design and site development plan and strictly implemented during the construction phase of the project;
9. A mutually agreed upon compensation in case of damages to properties shall be adopted and implemented;
10. Copy of Environmental Compliance Certificate (ECC) shall be posted in a conspicuous area in the administrative building;

11. The proponent shall allow inspection or monitoring that will be conducted by this Office anytime in coordination with concerned groups;
12. That should there be any complaint from the community related to environmental pollution and sanitation problem brought about by the project's operation, the proponent shall be held responsible to address such problem;

II. RESTRICTIONS

13. No cutting of trees shall be undertaken without first securing Permit to Cut from the DENR-Forest Management Service, Region III. Any cutting of trees implemented without the Permit to Cut will render this Certificate cancelled or suspended. In case there are trees to be affected by the project, tree balling shall be undertaken. Likewise, Inventory of Trees to be cut shall be submitted to this Office; and
14. Any expansion or modification of the approved project components shall be subject to new Environmental Impact Assessment (EIA) requirements;
15. In case of transfer of ownership of this project, these same conditions and restrictions shall apply and the transferee shall be required to notify this Office within fifteen (15) days as regards to the transfer of ownership.

Non-compliance with any of the provisions of this certificate shall be a sufficient cause for the cancellation or suspension of this certificate and/or imposition of a fine in an amount not to exceed Fifty Thousand Pesos (50,000.00) for every violation thereof.

OR No. : 2661711
Processing Fee : P10,000
Date : December 14, 2017

PROJECT ASSESSMENT PLANNING TOOL

This is for the assistance of the Proponent and government agencies concerned in the management of the project and for better coordination in mitigation on the impact of the project on its surrounding areas and to the environment.

By way of recommendation, the following have been taken notice by the undersigned and are forwarding these recommendations to the parties and authorities concerned for proper appreciation and action.

| RECOMMENDATIONS TO CONCERNED GOVERNMENT AGENCIES/LGUs | CONCERNED GOVERNMENT AGENCY/ENTITIES |
|--|---|
| 1. Provide storm drainage canal, concrete culverts, and other flood and erosion control measures to adequately receive and channel the run-off to the nearby receiving body of water. | Municipal Engineers Office/ BCDA |
| 2. Provide segregation, collection, recycling, and disposal mechanism for solid waste. | LGU/ BCDA |
| 3. Coordinate for the traffic management in the area i.e. provision of detour bridge, re-routing plan, warning signs, etc. | LGU /BCDA |
| 4. Provide temporary sanitary toilet facilities to constructions workers, and any waste should be properly disposed so as not to cause nuisance to the immediate environment. | DOH / BCDA |
| 5. Comply with the rules and regulation of occupational health and safety standards. | DOLE / BCDA |
| 6. Secure Permit to Cut Trees | DENR-Forest Management Service R3 |
| 7. Comply with the National Building & Structural Code of the Philippines | LGU/BCDA |
| ENVIRONMENTAL PLANNING RECOMMENDATIONS FOR THE PROPONENT The following are strongly recommended for the Proponent to comply for the protection of the project area and the affected environment. | |
| 1. Implement close monitoring of the project to maintain a high level of safety and efficiency and immediately address any environmental hazard that may take place. | |
| 2. Implement regular watering of unpaved roads and exposed soils/ground to prevent dust generation. | |
| 3. Donate collectible recyclables to the LGU | |

For dissemination and proper action of the parties concerned.


DENNIS O. CELESTIAL
Chief, Clearance and Permitting Division


LORMELYN E. CLAUDIO, CESO IV
Regional Director