



Department of Environment and Natural Resources
Environmental Management Bureau
Regional Office No. IV – B MIMAROPA

ENVIRONMENTAL COMPLIANCE CERTIFICATE

(Issued under Presidential decree 1586)

ECC-R4B-1001-0008

THIS IS TO CERTIFY THAT PROPONENT CONSTELLATION ENERGY CORPORATION is granted this Environmental Compliance Certificate (ECC), for the BONGABONG HYDRO POWER PLANT PROJECT, located at BONGABONG RIVER, BRGY. HAGAN, BONGABONG, ORIENTAL MINDORO by the Department of Environment and Natural Resources (DENR), through the Environmental Management Bureau, Region IV-MIMAROPA.

SUBJECT ONLY to the conditions and restrictions set-out in this certificate.

PROJECT DESCRIPTION

This Certificate shall cover the operation of Bongabong Hydro Power Plant Project which is a run-of-river type of hydropower development along the Bongabong River and Tangon Creek located at Brgy. Hagan, Bongabong, Oriental Mindoro. The project will provide 28 MW of additional capacity and estimated 124.31 GWh of annual energy to the Mindoro grid. Likewise, the project is intended to be connected to the 69 kV grid at Bansud, Oriental Mindoro by a 15 km. of 69 kV, single circuit wood pole transmission line. Project components enumerated to wit: a) a 285 meters wide low concrete diversion weir that will be constructed across the Bongabong River; b) a demanding channel and a lined channel with a surge shaft near the downstream and followed by a steel-lined section that will serve as the waterways; and c) three penstock that will lead directly from the steel tunnel liner and feeds the power station located along the Tangon Creek. The power station will be equipped with three vertical shaft Francis turbines each coupled to generators producing 9.4 MW from an estimated net head of 90 meters.

This Certification is issued in compliance to the requirements of Presidential Decree No. 1586, in accordance to Department Administrative Order No. 2003-30. 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 Manila, Philippines this JAN 25 2010.

Approved by:

Sixto E. Tolentino, Jr.
EnP SIXTO E. TOLENTINO, JR.
Regional Director *ST*

Recommending Approval: ,

BUENA FE A. RIOFLORIDO
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Chief, EIA Division

ECC-R4B-1001-0008
Bongabong Hydro Power Plant Project

SWORN STATEMENT OF OWNER

Constellation Energy Corporation, proponent of this Bongabong Hydro Power Plant Project located at Bongabong River, Brgy. Hagan, Bongabong, Oriental Mindoro takes full responsibility in complying with all conditions contained in this Environmental Compliance Certificate (ECC).

CONSTELLATION ENERGY CORPORATION PROPONENT

TIN – _____

Subscribed and sworn to before me this _____ day of _____, 2010 the above-named affiant taking oath presenting Residence Certificate No. _____ issued on _____ 2010 at _____.

Signature of Administering Officer

I. CONDITIONS

A. ENVIRONMENTAL MANAGEMENT & MONITORING PLAN (EMMoP)

1. The proponent shall ensure that all commitments, appropriate mitigating/enhancement measures and monitoring requirements especially those contained in the EMMoP in the EIS, its modification shall be instituted and strictly implemented throughout the project implementation;
2. An Environmental Officer (EO) / Pollution Control Officer (PCO) must be appointed to handle environmental impact management related aspects of the project as specified in the Impact Management Plan (IMP) and the Environmental Monitoring Fund (EMP). The EO/PCO shall
 - 2.1 Monitor actual project impacts vis-à-vis the predicted impacts and management measures in the IEE.
 - 2.2 Submit semi-annually an ECC Compliance Monitoring Report (CMR) to the EMB-R4B, wherein each second or year end report shows the summary of cumulative performance of Proponent against previous years' requirements and commitments.
3. The proponent shall submit an Abandonment Plan to the EMB-R4B at least one year prior to the projects' abandonment. The plan shall include rehabilitation measures/clean-up, remediation of areas affected by the project and proposed alternative projects in the area;

GENERAL CONDITIONS

4. The project operation shall conform to the applicable provisions of R.A. 6969 (Toxic Substances, Hazardous Waste Control Act of 1990), R.A. 8749 (Philippine Clear Air Act of 1999), R. A. 9003 (Ecological Solid Waste Management Act of 2000), and R. A. 9275 (Philippine Clean Water Act of 2004).
5. A billboard containing this message: **"Notice to the Public, This project "Hydro Power Plant Project" of Constellation Energy Corporation has been issued an Environmental Compliance Certificate (ECC-R4B-1001-0008) by the Environmental Management Bureau of the Department of Environment and Natural Resources, Region IV-B, on _____(date)." This message must be installed at all entry and exit points and at all perimeters of the project facing the road to inform the general public within thirty (30) days from receipt of the certificate. A copy of the certificate shall also be posted by the proponent at the barangay bulletin board of the affected barangays within thirty (30) days from receipt of the certificate.**

II. RESTRICTIONS:

6. No trees to be cut or affected during project implementation.
7. Non-compliance with any of the provisions of this ECC shall be a sufficient cause for its cancellation or suspension and/or imposition of a fine in an amount not to exceed Fifty Thousand Pesos (Php 50,000.00) thereof;
8. In case of transfer of ownership/management turn-over of this project, this same conditions and restrictions shall apply unless otherwise revised in writing. In such case, **Constellation Energy Corporation** shall be required to notify the EMB within fifteen (15) days.

PROJECT ASSESSMENT PLANNING TOOL

For the assistance of the proponents 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 of by the undersigned Review Committee and are forwarding these recommendations to parties and authorities concerned for proper appreciation and action.

A. Recommendations to Concerned Government Agencies/ LGUs	Concerned Permitting, Deciding, Monitoring Entities
1. Constellation Energy Corporation shall ensure that socio-economic concerns of various stakeholders are adequately addressed.	Bongabong, Oriental Mindoro, LGU
2. Constellation Energy Corporation should implement segregation, collection, recycling and disposal mechanism for solid waste in accordance with R. A. 9003.	Bongabong, Oriental Mindoro, LGU
3. Constellation Energy Corporation should coordinate traffic management in the area affected by the project in anticipation in the growth of traffic arising from the project.	Bongabong, Oriental Mindoro, LGU
4. That occupational health and safety standards/regulation must be complied with by Constellation Energy Corporation for all activities.	Bongabong, Oriental Mindoro, LGU
5. That adequate storm drainage canal, concrete culverts and other flood control measures need to be provided to adequately receive and channel the run-off of silt laden rainwater to the nearby receiving body of water.	Bongabong, Oriental Mindoro, LGU
6. Temporary sanitary toilet facilities should be provided for the construction workers, and any waste should be properly disposed of so as not to cause nuisance to the immediate environment.	Bongabong, Oriental Mindoro, LGU
7. Constellation Energy Corporation shall secure permits/clearance concerned agencies and shall submit to this Office prior to project implementation.	Proponent, Bongabong, Oriental Mindoro, LGU and other government agencies concerned
8. Structural design and soundness of buildings should be in accordance with the specifications as provided under the National Building code of the Philippines	Bongabong, Oriental Mindoro, LGU
B. Environmental Planning Recommendations for the Proponent	
1. Constellation Energy Corporation shall undertake close monitoring in all stages of the project implementation to maintain a high level of environmental safety and performance efficiency and immediately address any environmental hazards.	

For dissemination and proper action of the parties concerned.

[Signature]

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