



Republic of the Philippines

(Republic Act 7611)

PALAWAN COUNCIL FOR SUSTAINABLE DEVELOPMENT
PCSD Bldg., Sports Complex Rd., Bgy. Sta. Monica, Puerto Princesa City, Palawan



SEP CLEARANCE

No. DMCICFBCFPP-081315-131

Pursuant to the mandate of the Palawan Council for Sustainable Development (PCSD) under Republic Act 7611 and concurred by the Department of Environment and Natural Resources (DENR) as provided in its Memorandum of Agreement with PCSD dated 29 December 1994, this SEP Clearance is issued to:

15 MW Circulating Fluidized Bed Coal-Fired Power Plant

Name of Project

Bgy. Bato-Bato, Narra, Palawan

Project Location (Street, Sitio, Barangay, Municipality)

DMCI Power Corporation

Name of Proponent

2881 Don Chino, Roces Avenue Ext, Makati 1231

Address of Proponent

This Clearance is issued this 13th day of August 2015 in Puerto Princesa City.



JOSE CH. ALVAREZ
Chairman, PCSD

O.R. No. : 4026790
Date : 9-3-15
Amount : 95,060-

Not Valid Without PCSD Official Seal
(PLEASE SEE OVERLEAF FOR THE TERMS AND CONDITIONS OF THIS CLEARANCE)

"PCSDS: Working together towards sustaining the future"

Head Office:

PCSD Building Sports Complex Road
Sta. Monica Heights, Puerto Princesa City, Palawan
P.O. Box 45 PPC 5300 Palawan, Philippines
☎ (048) 434-4235 • Telefax: 434-4234
Email: oed@pcsd.ph • Website: pcsd.ph

Metro Manila Liaison Office:

Units 402 / 408 The One Executive Office Bldg.,
West Ave. cor Col. Martinez St., Quezon City
☎ 376-2060 / 2061

TERMS AND CONDITIONS

This Clearance is issued subject to the terms and conditions stipulated below:

1. The project operation shall confine within the 9.0063 hectare approved area that lies within the following geographical coordinates:

Corner 1	9°10'15.54" N	118°15'27.84"E
Corner 2	9°10'19.77" N	118°15'33.07"E
Corner 3	9°10'24.53" N	118°15'21.02"E
Corner 4	9°10'23.33" N	118°15'28.56"E
Corner 5	9°10'39.41" N	118°15'23.23"E
Corner 6	9°10'39.04" N	118°15'21.16"E
Corner 7	9°10'37.73" N	118°15'21.52"E
Corner 8	9°10'35.52" N	118°15'21.27"E
Corner X	9°10'25.77" N	118°15'34.98"E
Corner Y	9°10'21.77" N	118°15'35.77"E
2. The proponent must resolve the legal issue that the municipal zoning classification of the proposed site is within agricultural zone. Hence, requiring the revision of the municipal CLWUP.
3. Submit to PCSDS the following information PRIOR TO OPERATION:
 - a. Detailed Coal Ash Management Plan, citing among others the location and capacity of permanent ash disposal areas/facilities, material to be used to cover the disposed ash in order to avoid dispersal thereof, how the project would mitigate the equivalent 0.01% fly ash that will be dispersed to the environment, and the option to bring back the coal ash to Semirara;
 - b. A plan to capture or sequester the Carbon Dioxide generated by the project operations including the budgetary allocation;
 - c. Proper Cost-Benefit Analysis that incorporates all externalities and proper methodologies;
 - d. Health Impact Assessment/analysis of the project. An integral part of this forms an updated laboratory analysis of Semirara coal or any other fuel used, particularly on all heavy metals usually associated with coal, in a laboratory and methodologically (including sampling) mutually agreed upon by PCSDS through the multipartite monitoring team and the proponent;
 - e. A plan to mitigate thermal pollution through the discharge of heated cooling water or wastewater to the marine environment and other bodies of water, and the option of putting up a cooling tower;
 - f. A plan for gradual shift or transition from fossil fuel (coal-based) to renewable energy-based with power/energy derived from renewable sources, for approval by PCSD. This transition to RE must be supported by a benefit-cost analysis as it is very questionable if it can be done economically;
 - g. A plan to mitigate flooding, landslides and storm surges that could breach the coastline and the plant including the coal and ash storage facilities;
 - h. A comprehensive decommissioning plan.
4. Submission on regular basis the following reports:
 - a. Quarterly SEP Clearance Compliance Monitoring Report;
 - b. Monthly Self Monitoring Report on the effluent discharges and status of the ambient environment being impacted by the project operation. The reports shall include monitoring and status-update on the ecological and health-socio-cultural conditions of the communities within the impact area.
5. Other mitigating measures pertaining to project impacts in the corresponding ecosystems shall also be implemented by the proponent:
 - a. Establish a bio-fence buffer zone around the project area to help mitigate carbon emission and stabilize bottom and fly ash;
 - b. Plant endemic tree in degraded forests and terrestrial ecosystems in Narra, Palawan and other areas identified for such purpose by PCSD and other concerned government agencies prior and during the plant operation. The estimated 100,000 MT of carbon to be released annually by the plant will require an estimated 7,100 hectares of open land to be reforested with endemic species;
 - c. Improve the engineering systems to mitigate gas emissions by installing facilities and equipment for the Continuous Opacity Monitoring System in addition to the proposed Continuous Emission Monitoring System;
 - d. Use high quality coal with low sulphur and heavy metal content;
 - e. Ensure non escape of coal dusts to the ambient environment during transport and storage of coal. Establish near the coal storage area/stockyard a settling pond that will contain coal sediments to avoid sediments from dispersing to immediate environment;
 - f. Ensure that temperature of discharged cooling water will not exceed the ambient water temperature;
 - g. Undertake daily monitoring of the temperature and condition of the cooling water discharge;
 - h. Install filtration mechanism to prevent suction of fish fries and other zooplankton as part of the power plant cooling system;
 - i. Adopt research undertakings and programs approved and endorsed by the PCSD related to conservation and management including restoration and/or translocation initiatives, of any wildlife resources that will be affected by the project;
 - j. The Proponent shall pay the corresponding monitoring fee to the ECAN Board which will form part of the monitoring fund to be used by the latter in monitoring activities;
 - k. This project (its documents, structures, equipment and operation) is subject to monitoring or actual inspection by the ECAN Board (by itself or through its SMT) and PCSDS at any time of the day or night with or without prior permission;
 - l. Allocate SEP Monitoring Fund (SMF) for the conduct of compliance monitoring to be administered by the SEP Monitoring Team (SMT) through the ECAN Board;
 - m. Any expansion or deviation of the project from the activities and specifications stipulated in the submitted documents shall require a separate PCSD SEP Clearance;
 - n. Should the implementation of the project cause adverse environmental impact and pose nuisance to the public health and safety as determined by the ECAN Board or PCSD shall be a sufficient ground for the cancellation or suspension of this Clearance;
 - o. The herein grantee shall assume full responsibility and liability for damages to private/public property caused by the project operations and its support facilities;
 - p. In case there is a need for additional condition(s) to ensure environmental integrity And public safety as a result of regular monitoring/inspection, the same shall be imposed by PCSD; and
 - q. In the exercise of its visitorial power, authorized PCSD/S officials/personnel and ECAN Board shall be allowed to conduct monitoring/inspection without prior notice.

Non-compliance with any of the above conditions shall be sufficient cause for the suspension or cancellation of the clearance and/or penalty in an amount not less than FIFTY THOUSAND PESOS (P50,000.00) for every violation thereof pursuant to Section 23.4 of PCSD Admin. Order No. 00-06, as amended.

CONFORME

NESTOR D. DADIVAS, proponent/grantee of the foregoing Clearance, hereby certify that I have read and understood the Terms and Conditions for which this SEP Clearance is issued and I hereby express my conformity thereto and my commitment to abide by the provisions of Republic Act 7611, PCSD Administrative Order No. 06, as amended, and other PCSD policies related thereto.

09-09-15

NESTOR D. DADIVAS

Signature over Printed Name

Date Signed:

Affiant exhibiting to

SUBSCRIBED AND SWORN to before me this _____ of _____

me valid government identification no. _____

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NOTARY PUBLIC

UNTIL DEC. 31, 2015

PTR NO. 8168019 / 1-5-2015

IEP NO. 595598 / 12-12-2013

ROLL NO. 32126

NOTICE COMPLIANCE NO. W-0077523 / 11-25