

PROJECT DESCRIPTION FOR SCOPING

1200 MW Dual-Fuel Power Plant Project

Ingrid3 Power Corp.

Submitted to:
Environmental Management Bureau – Central Office

July 2021



**Leading in
Clean Initiatives.**

An Environmental Report By:




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Submitted To:



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Environmental Management Bureau –
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PROJECT DESCRIPTION

- 1 **Ingrid3 Power Corp.** (the “Proponent”) will be developing a dual-fuel power plant (the “Generation Facility”), with a target net capacity of 1200 MW and installed capacity of 1250 MW, in Barangay Libjo and Malitam, Batangas City. It is planned to be connected to the NGCP 500 kV Pinamukan Substation.
- 2 The Proponent is required to secure an Environmental Compliance Certificate (ECC) from the DENR-EMB prior to any development in the project site. Pre-requisite to the acquisition of an ECC for a project of this scale is the preparation of an Environmental Impact Statement (EIS), as stated in Annex A Item No. 3.2.1 (Gas-fired thermal power plants with total power generating capacity equal to or greater than 50 MW) of the EMB Memorandum Circular 005-2014 (“Revised Guidelines for Coverage Screening and Standardized Requirements under the Philippine EIS System”).
- 3 **Table 1-1** provides some basic information regarding the proposed project, the Proponent, and the Environmental Impact Assessment (EIA) preparer.

Table 1-1: Basic Information on the Proposed Project, Proponent, and EIA Preparer

Project Name	1200 MW Dual-Fuel Power Plant Project
Project Location	Brgy. Libjo and Malitam, Batangas City
Project Area	24 hectares
Project Type	Dual-Fuel Power Plant
Project Size/Capacity	1200 Megawatts (net); 1250 Megawatts (installed)
Project Proponent	Ingrid3 Power Corp. Office Address: 4/F, 6750 Office Tower, Ayala Avenue, Ayala Center, Makati City Tel. No.: (02) 7730-6300 Authorized Representative: Atty. Rodrigo M. San Pedro, Jr. (Attorney-In-Fact)
EIA Preparer	LCI Envi Corporation Office Address: Unit 8L-M, Future Point Plaza 3, 111 Panay Avenue, South Triangle, Quezon City Tel. No.: (02) 8652-5890 Authorized Representative: Engr. Jose Marie U. Lim (EIA Team Leader)

1.1 PROJECT LOCATION AND AREA

- 4 The proposed project will be constructed in a leased industrial lot in Brgy. Libjo and Malitam, Batangas City Region IV-A (CALABARZON). Batangas City is a coastal city is bounded in the north by San Jose, Batangas; in the northwest by San Pascual, Batangas; in the northeast by Ibaan, Batangas; in the east by Taysan and Lobo, Batangas; and coastal waters in the west and in the south.
- 5 The vicinity map of the proposed project site is shown in **Figure 1-1**. An aerial photograph of the location is shown in **Figure 1-2**.
- 6 Landmarks and structures observed in the vicinity of the proposed project site are listed in **Table 1-2**.

Table 1-2: Landmarks and Structures Adjacent to the Proposed Project Site

DIRECTIONAL REFERENCE	ADJACENT LANDMARK OR STRUCTURE	BRIEF DESCRIPTION
North	Forested Area	Non built-up area in the northern portion of the project site.
	Calumpang River	Calumpang River is one of the major river systems of Batangas Province. Its catchment area is approximately 472 km ² . Its length is approximately 16 km which drains to Batangas Bay.
East	Forested Area	Non-built-up area in the eastern portion of the project site.
	Abandoned Facilities	Abandoned facilities of former Shell Tabangao Refinery
South	Forested Area	Non-built-up area in the southern portion of the project site.
	River	This river borders the southern part of the Subject Property. It flows to Batangas Bay.
	Shell Import Facility (formerly Tabangao Refinery)	The Shell Tabangao Refinery commenced commercial operations in 1962 with a nameplate capacity of 110,000 bpd as of 1995. The former Tabangao Refinery is presently used as an import facility to serve the fuel requirements of Luzon and Northern Visayas.
West	Batangas Bay	This bay borders the western part of the project site. Other than Batangas City, the bay is bordered by mainland municipalities of Bauan, Mabini and San Pascual. Its water surface is estimated at 220 km ² and total coastline stretches to 92 km.

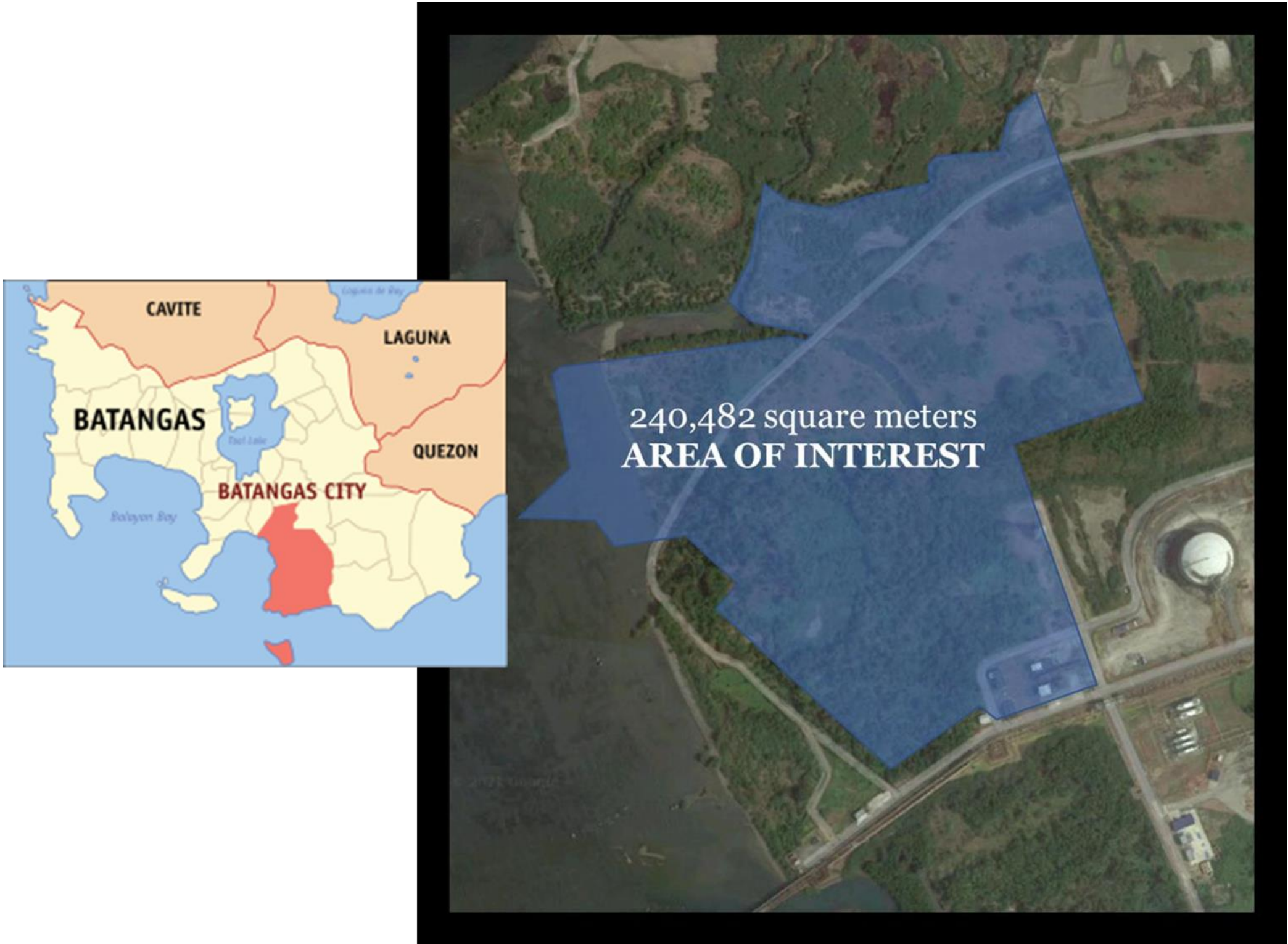
1.1.1 Accessibility of the Project Site

- 7 As shown in **Figure 1-3**, the proposed site can be accessed from Manila via SLEX and STAR tollway. At the end of STAR tollway, take National Road/President Jose P. Laurel Highway, and then Batangas-Tabangao-Lobo Road.

1.1.2 Project Impact Areas

- 8 The EIA study will cover the direct and indirect impact areas for the proposed project identified based on the guidelines provided in Annex 3 of the DENR Memorandum Circular No. 2010-14. **Figure 1-4** graphically presents the initial delineation of the proposed project's impact areas.
- 9 The direct impact area (DIA), as defined by DENR guidelines, includes all major project components and support facilities within the proposed 24 ha project site.
- 10 On the other hand, the indirect impact area (IIA) identification considers the extent of the potential project impacts on biophysical (land, water, and air quality) and socio-economic aspects. For this project, the IIA generally covers the areas in the immediate vicinity of the project site, including the Batangas Bay, as well as the host local government units ("LGUs") of Barangays Libjo and Malitam and City of Batangas, which are expected to benefit from the additional employment, business opportunities, taxes that may be contributed by the proposed project, in addition to power supply stability. The IIA coverage may be expanded to also include the adjacent LGUs, the Province of Batangas, Region IV-A, and, furthermore, the entire Luzon region.
- 11 The delineation of the project's impact areas may later be updated or defined in technical terms once the impact assessment has been conducted.

Figure 1-1: Vicinity Map of the Proposed Project Site



PROJECT PROPONENT:
INGRID3 POWER CORP.

FIGURE TITLE:
VICINITY MAP OF THE PROPOSED PROJECT SITE

EIA REPORT PREPARER:
LCI ENVI CORPORATION

PROJECT TITLE & LOCATION:
1200-MW DUAL-FUEL POWER PLANT PROJECT
Brgy. Libjo and Malitam, Batangas City

SOURCE:
MAP GENERATED IN GOOGLE EARTH
Satellite Imagery taken last November 2020


Figure 1-2: Aerial Photograph of the Proposed Project Location



NOTE: Aerial photograph taken by LCI Study Team on July 05, 2021 using drone

PROJECT PROPONENT:
INGRID3 POWER CORP.

FIGURE TITLE:
AERIAL PHOTOGRAPH OF THE PROPOSED PROJECT LOCATION (NORTH VIEW)

EIA REPORT PREPARER:
 **LCI ENVI CORPORATION**

PROJECT TITLE & LOCATION:
1200-MW DUAL-FUEL POWER PLANT PROJECT
Brgy. Libjo and Malitam, Batangas City

SOURCE:
LCI Study Team



NOTE: Aerial photograph taken by LCI Study Team on July 05, 2021 using drone

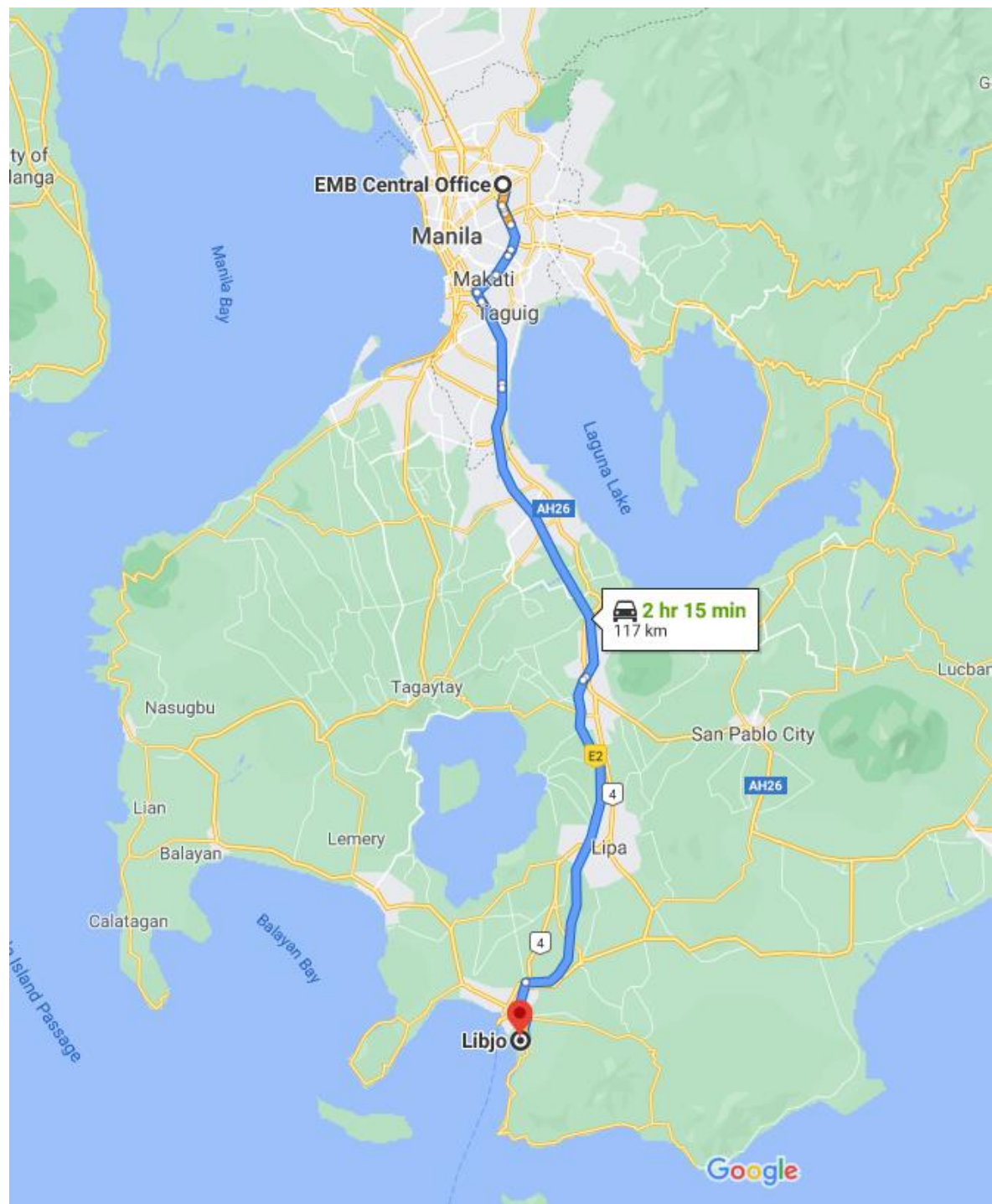
PROJECT PROPONENT: INGRID3 POWER CORP.		FIGURE TITLE: AERIAL PHOTOGRAPH OF THE PROPOSED PROJECT LOCATION (WEST VIEW)	
EIA REPORT PREPARER:  LCI ENVI CORPORATION		PROJECT TITLE & LOCATION: 1200-MW DUAL-FUEL POWER PLANT PROJECT Brgy. Libjo and Malitam, Batangas City	SOURCE: LCI Study Team



NOTE: Aerial photograph taken by LCI Study Team on July 05, 2021 using drone


PROJECT PROPONENT: INGRID3 POWER CORP.		FIGURE TITLE: AERIAL PHOTOGRAPH OF THE PROPOSED PROJECT LOCATION (EAST VIEW)	
EIA REPORT PREPARER:  LCI ENVI CORPORATION		PROJECT TITLE & LOCATION: 1200-MW DUAL-FUEL POWER PLANT PROJECT Brgy. Libjo and Malitam, Batangas City	SOURCE: LCI Study Team

Figure 1-3: Accessibility Map of the Proposed Project Site



PROJECT PROPONENT:
INGRID3 POWER CORP.

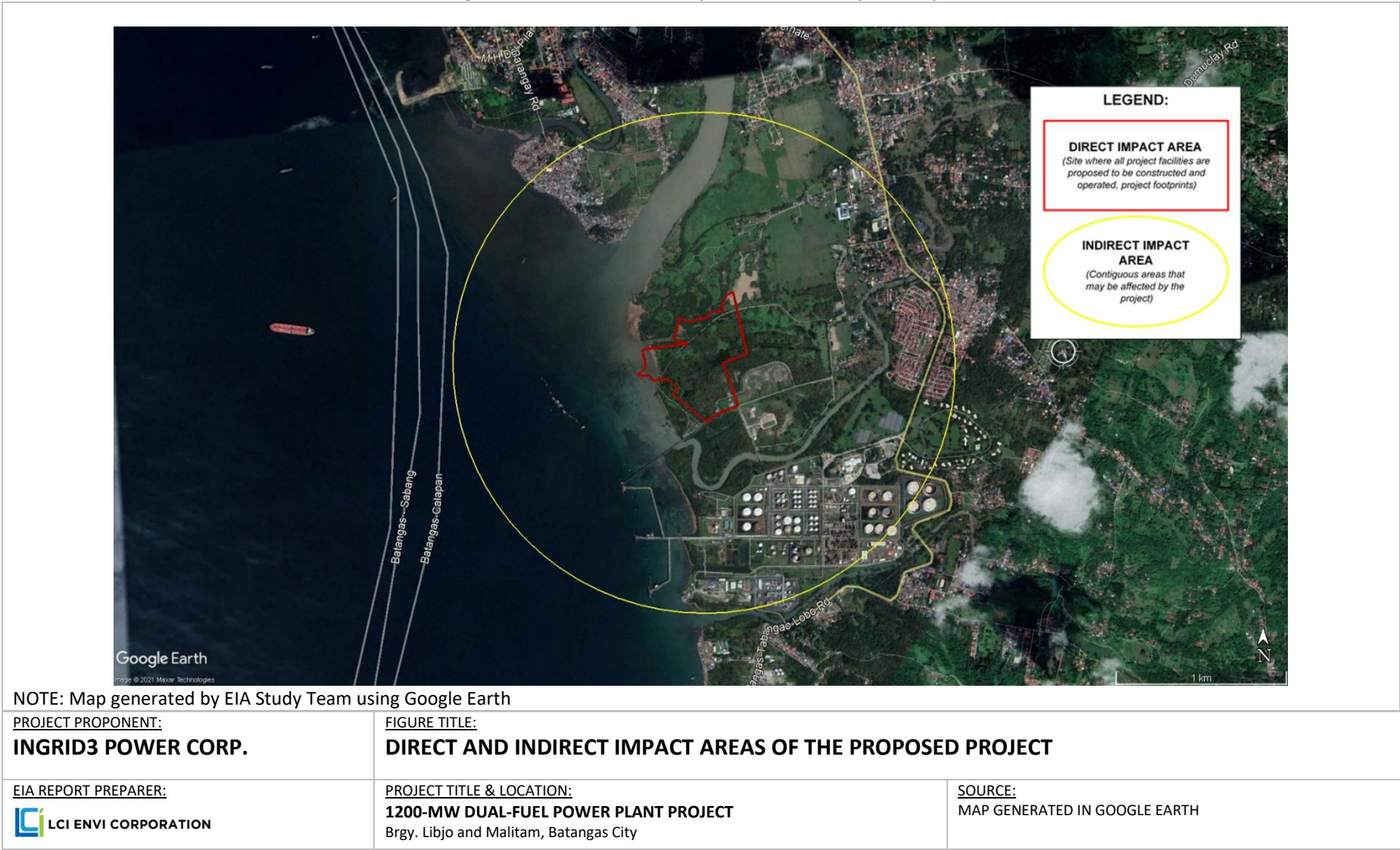
FIGURE TITLE:
ACCESSIBILITY MAP OF THE PROPOSED PROJECT SITE

EIA REPORT PREPARER:
 **LCI ENVI CORPORATION**

PROJECT TITLE & LOCATION:
1200-MW DUAL-FUEL POWER PLANT PROJECT
Brgy. Libjo and Malitam, Batangas City

SOURCE:
MAP GENERATED IN
GOOGLE MAPS

Figure 1-4: Direct and Indirect Impact Areas of the Proposed Project



1.2 PROJECT RATIONALE

- 12 The intended offtake for the Generation Facility is currently being studied and assessed. It is being considered for mid-merit/load-following, peaking.
- 13 Mid-merit and peaking/load-following plants, on the other hand, are operated with flexibility to respond to varying demand for electricity throughout the day. Operations are ramped up or down depending on the foreseen market demand.

1.3 PROJECT ALTERNATIVES

1.3.1 Site Selection

- 14 Technical, environmental, and land use considerations were taken in the selection of the site for the proposed project. The absence of critical habitats within the project site and its proximity to possible tapping point were some of the main factors that contributed to its selection. No other sites were considered for the proposed project.

1.3.2 Technology/Design Selection

- 15 This electricity generating system makes electricity by burning fuels to produce high-temperature combustion gases with sufficient energy to rotate a gas turbine.
- 16 Gas turbine power plants can be adjusted to accommodate peaks in electricity demand. They are operated mainly during periods of high demand otherwise they remain standby and are ready to run at any time to provide reserve power when needed.
- 17 Modular power technology for gas turbines, is considered for the following reasons:
- Fast ramp rate and fast start capability: Modular power technology can start-up, synchronize, and reach its full capacity within seconds or a few minutes.
 - Compact design: This feature minimizes land area needed to build a high-capacity power plant, and allows quicker installation compared to conventional thermal plant designs.
 - Fuel flexibility: Newer models of gas turbines can be run using either gas or liquid fuel. Typically, the equipment has built-in separate injection manifolds for gas and liquid fuels.
- 18 **Figure 1-5** shows an illustrative and an actual sample of a gas power plant.

1.3.3 Resources

- 19 Gas turbines can be run using either gas or liquid fuel. The main advantage of using natural gas for ancillary service, mid-merit, and/or peaking purposes is the cleaner emissions. Natural gas is considerably cleaner burning compared to oil and coal, as it emits significantly less nitrogen, sulfur, and carbon monoxide. However, due to the possible issues on availability of supply of natural gas, primary consideration is also given to diesel fuel as resource.

Figure 1-5: Dual-Fuel Power Plant Technology

Sample power plant layout illustration:



SOURCE: Mitsubishi

PROJECT PROPONENT:
INGRID3 POWER
CORP.


EIA REPORT PREPARER:
 **LCI ENVI CORPORATION**

FIGURE TITLE:
DUAL-FUEL POWER PLANT TECHNOLOGY

PROJECT TITLE & LOCATION:
1200-MW DUAL-FUEL POWER PLANT PROJECT
 Brgy. Libjo and Malitam, Batangas City

SOURCE:
 MITSUBISHI

1.4 PROJECT COMPONENTS

- 20 The major components, auxiliary facilities, and pollution control devices for the proposed project are summarized in **Table 1-3**.

Table 1-3: Proposed Project Components

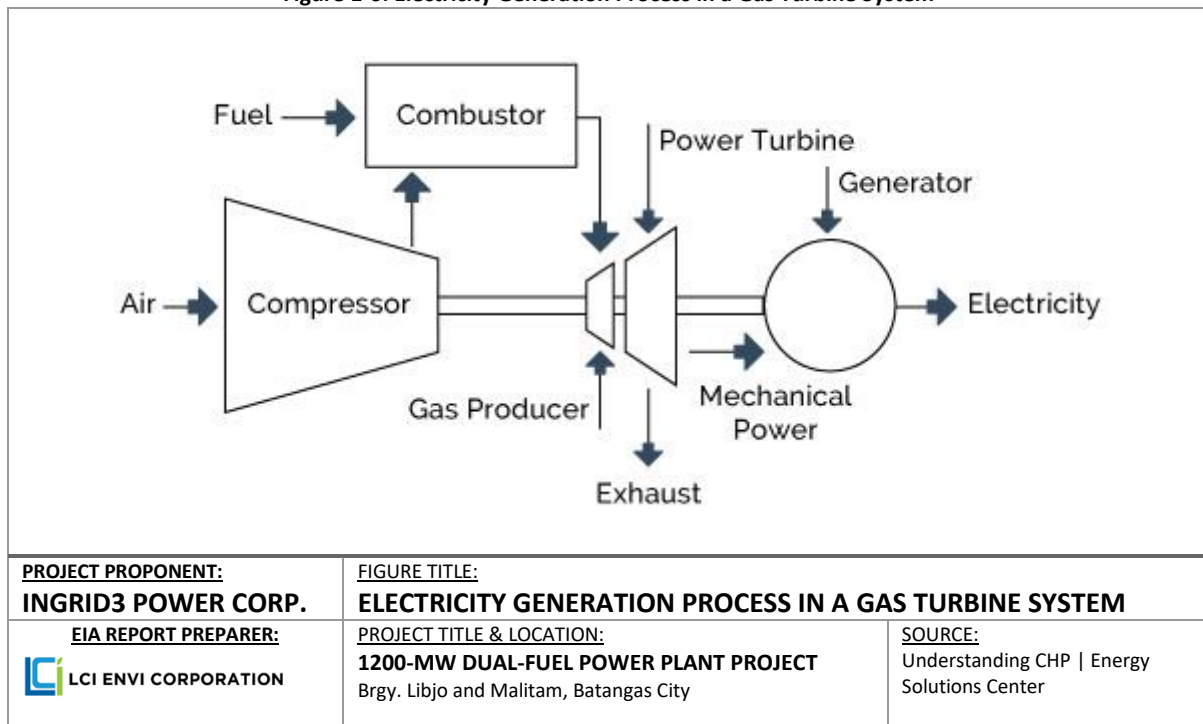
COMPONENT		DUAL-FUEL POWER PLANT
MAJOR COMPONENTS		
Gas Turbine Generators		6 x 200-MW (net capacity) gas turbines in simple cycle service
AUXILIARY FACILITIES		
Substation		Switching and Metering Station (Switchyard) for connection to the NGCP's 500 kV Pinamukan Substation.
Transmission Line		500 kV line (to NGCP 500 kV Pinamukan Substation) Length: approximately 4 kilometers
Fuel Storage Tanks		Several units of cylindrical storage tanks with an aggregate capacity of 32 Million Liters
Instrumentation and Control System		PLC and SCADA System
Administration Building and Other Site Facilities		Containerized and/or building facilities to function as control rooms, office/workshop stations, security/first-aid posts, and kitchen/toilet/locker/consumables storage areas, among others
Service Water System		A closed-circuit cooling system, thru an air-cooled heat exchanger, circulation pumps, and expansion tank, for circulating cooling water for auxiliary oil and air systems.
Fire Protection System		Manually operated DCP & CO ₂ fire extinguishers will be installed at strategic locations around the site.
Pier Facility		A pier facility will be constructed to accommodate ships that will deliver the raw materials such as fuel.
POLLUTION CONTROL FACILITIES		
Exhaust Stacks		Depending on the results of the air quality study, exhaust stacks will be designed and accordingly sized to ensure proper air dispersion and compliance to air quality standards
Oily Wastewater Treatment System		Additional 3 units underground
Septic Tank		1 unit reinforced concrete underground septic tank
Solid Waste Management System		

1.5 PROCESS/TECHNOLOGY

1.5.1 Major Components: Gas Turbine Generators

- 21 Approximately 200 MW net capacity can be generated per unit of gas turbine in simple cycle service. The gas turbine equipment includes an air filter system, combustion air inlet system, combustion air exhaust system, a gas fuel system and a liquid fuel system which provide flexibility on use of resources, an oil system, and a water injection system.
- 22 In a gas turbine system, intake atmospheric air is compressed and is heated up thru a combustor or burner that utilizes either a gas fuel or a liquid fuel. The resulting hot air is expanded in the turbine where it spins the rotating blades to produce mechanical power. The blades are connected to a generator where mechanical power is then converted to electrical power.
- 23 **Figure 1-6** shows the electricity generation process in a gas turbine system.

Figure 1-6: Electricity Generation Process in a Gas Turbine System



1.5.2 Auxiliary Facilities

24 Support facilities for the power plant will include the following:

- **Substation:** A switching and metering station (switchyard) will be installed to provide all the necessary technical requirements for interconnection of the switchyard to the grid.
- **Transmission Line:** Depending on the result of the SIS, this power plant may be connected to the NGCP's 500 kV Pinamukan Substation.
- **Fuel Storage Tanks:** Several units of cylindrical storage tanks with an aggregate capacity of 32 Million Liters
- **Instrumentation and Control System:** The proposed project will be connected to a central programmable logic controller (PLC) and supervisory control and data acquisition (SCADA) system that will automate all equipment controls and protections for plant start/stop, load management, and operations required for meeting regulating and contingency mode protocols. The SCADA will provide trending and data recording functions, as well as user HMO for the PLC and metering, fuel consumption information.
- **Administration Building and Other Site Facilities:** Some of these will also be modular in design and specifically built based on purpose. Containerized and/or building facilities will be provided to function as control rooms, office and workshop stations, security and first-aid posts, and kitchen, toilet, locker, and consumables storage areas, among others.
- **Service Water System:** The proposed project will have a service water system for site facilities and on-site washing of equipment. Water supply line for equipment washing will be installed in line with the fuel pipeline.

- Fire Protection System: To protect the facility in the event of fire or fire risks such as excessive heat or smoke, a fire protection system will be installed in accordance with the requirements of the Revised Fire Code of the Philippines.
- Pier Facility: A pier facility will be constructed to accommodate ships that will deliver the raw materials such as fuel.

1.5.3 Pollution Control Facilities

25 Pollution control facilities for the power plant will include the following:

- Exhaust: Depending on the results of the air quality study, exhaust stacks will be designed and accordingly sized to ensure proper air dispersion and compliance to air quality standards.
- Oily Wastewater Equipment/Facility: Oily wastewater from the fuel and lube oil centrifuging unit and from lube oil, fuel, and water system leakages will be collected into the oily wastewater tank and will then be pumped into the Oil-Water Separator. The volume capacity of the facility should be enough to treat the projected daily wastewater generation from the plant operations. The bottom sludge will be discharged periodically for disposal by a DENR-accredited treater. Additionally, an oil spill management plan will be put in place in case of emergency oil spills or leaks.
- Septic Tank: A reinforced concrete underground septic tank will be installed on-site for the proper treatment of domestic wastewater generated from facility operations.
- Solid Waste Management System: Solid waste materials generated will be classified as hazardous and non-hazardous wastes. Separate receptacles and storage areas will be designated for each type of waste identified at the project site. Non-hazardous domestic solid wastes will be further classified as compostable, recyclable, and residual and will be managed based on the local disposal regulations consistent with the Ecological Solid Waste Management Act of 2000 (Republic Act 9003). Hazardous wastes will be handled, transported, and managed by DENR-accredited hazardous waste treaters in accordance with the Toxic Substances and Nuclear Wastes Control Act 1909 (Republic Act 6969).

1.5.4 Plant Operation and Maintenance

26 The Generation Facility, which can be easily and abruptly ramped up or down depending on the need of the grid or of the market, is not expected to run continuously in its full load during its operations. Generators will either be run at partial load or will be kept offline until a huge power deficiency in the grid occurs. Proper occupational health and safety procedures will likewise be strictly observed.

27 The low-pressure rotor consists of the low-pressure turbine which drives the low-pressure compressor via a concentric drive shaft through the high-pressure rotor. The high-pressure rotor is formed by the high-pressure turbine driving the high-pressure compressor. The power turbine is attached to the gas generator by a transition duct that also serves to direct the exhaust gases from the gas generator into the stage one turbine nozzles. Output power is transmitted to the load by means of a coupling adapter on the aft end of the power turbines rotor shaft. Turbine rotation is clockwise when viewed from the coupling adapter looking forward. Power turbines are designed for frequent thermal cycling and can operate at constant speed for generator drive applications and over a cubic load curve for mechanical drive applications.

- 28 The design of the gas turbines incorporates roller bearings that do not require large lube oil reservoirs, coolers and pumps or the pre and post lube cycle associated with other bearing designs. Roller bearings have proven to be extremely rugged and have demonstrated excellent life in the industrial service. Gas turbines are excellent choice for cyclic applications such as peaking power with start time in the one-minute range.
- 29 Proper maintenance plans include periodic inspection using borescope which determines the condition of the internal components, thereby increasing the interval between scheduled, periodic removal of engines. Major components are designed in modules which allows the proponent to maintain reasonable spare modules that can be easily exchanged during failure. Monitoring and Diagnostics will be done in accordance with the recommendation of the Original Equipment Manufacturer. The Proponent will provide the monitoring information to the OEM so that the factory experts can have an early diagnosis of equipment problem and avoidance of secondary damage. The ability of service engineers to view real time operation in many cases results in accelerated troubleshooting without requiring a site visit.
- 30 A detailed operation and maintenance manual will be used once the Project becomes operational.

1.6 PROJECT SIZE

- 31 The proposed power plant will have a maximum net generation capacity of 1200 megawatts. It is not expected to run continuously in its full load during its operations. Turbines will either be run at partial load or will be kept offline until a huge power deficiency in the grid occurs.
- 32 The total land area that will be utilized for the proposed project is approximately 24 hectares.

1.7 DEVELOPMENT PLAN, DESCRIPTION OF PROJECT PHASES, AND CORRESPONDING TIMEFRAMES

- 33 The tentative project development plan is presented in the next pages. The matrix indicates the expected duration of the different aspects of the proposed project's execution.

1.7.1 Pre-Construction

- 34 This phase primarily involves the conduct of preliminary site investigations and the acquisition of the necessary documents before actual power plant construction.

1.7.2 Construction

- 35 This phase mainly includes civil and earthworks; procurement, shipping, site delivery, and installation of power plant equipment; and construction of transmission line. Proper occupational health and safety procedures will be implemented to ensure the welfare of the workers.
- 36 Construction equipment and materials will be delivered to the site using the existing main thoroughfare (i.e., National Road/President Jose P. Laurel Highway and Batangas-Tabangao-Lobo road). As committed, the Proponent and its contractor will coordinate with the host City and Barangay LGUs for vehicular traffic management in the project area.

1.7.3 Operation

- ³⁷ The Generation Facility, which can be easily and abruptly ramped up or down depending on the need of the grid or of the market, is not expected to run continuously in its full load during its operations. Generators will either be run at partial load or will be kept offline until a huge power deficiency in the grid occurs.
- ³⁸ Proper occupational health and safety procedures will likewise be strictly observed.

1.7.4 Decommissioning/Abandonment/Rehabilitation

- ³⁹ The Proposed Dual Fuel Power Plant Project is not expected to be abandoned within the next 10 years of its planned operations. However, ceasing of the power plant operations may be necessary due to the following potential scenarios:
- Unsustainable business operations due to economic downturns;
 - Changes in zoning and other related ordinances of the City of Batangas;
 - Transfer of operations to other sites;
 - Accidents and emergencies (either natural or man-made) resulting to severe facility damage and/or loss of human life; and
 - Closure order from government agencies.
- ⁴⁰ As such, if the abovementioned scenarios happen, which could result to the partial or total closure of the power plant, an abandonment plan will be created and implemented by Ingrid3 Power Corp.
- ⁴¹ **Table 1-4** presents the tentative project development and implementation timeline.

Table 1-4: Tentative Project Development and Implementation Timeline

Activity	2021				2022				2023				2024			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
EIA/ ECC Application																
System Impact Study (SIS)																
Facilities Study (FS)																
LGU Endorsement																
Other Permitting Works (NCIP, BOC, etc.)																
Site Studies (geotech, flooding, etc.)																
TL Rights-of-Way																
EPC/Equipment Supply and Construction Contracts																
NTP and Construction Period																

1.8 MANPOWER

- 42 The estimated manpower requirement in each phase of the proposed project's implementation is specified in **Table 1-5**. The Proponent will give priority to host community members or residents whose skills and experience match the project's specific needs.

Table 1-5: Manpower Requirement per Project Phase

PROJECT PHASE	ESTIMATED MANPOWER REQUIREMENT	TASKS TO BE PERFORMED	SKILLS REQUIREMENT
Pre-Construction	~30	<ul style="list-style-type: none"> Conduct complete feasibility study Prepare detailed engineering designs and drawings Facilitate permit requirements and tender documents 	Specialized technical skills/expertise on various engineering and scientific fields.
Construction	~500	<ul style="list-style-type: none"> Perform civil, architectural, and electro-mechanical works 	Engineers, project managers, skilled and non-skilled laborers
Operation	~100	<ul style="list-style-type: none"> Oversee the entire operations of the proposed project, including emergency situations; Ensuring the safety and welfare of its personnel Maintain conformity of the proposed project to relevant government regulations, including tax payments, ECC compliance, etc. Promote and uphold a harmonious relationship with the host community 	Management and administration skills; over-all knowledge on the operation including key environmental, labor, and local ordinances
Abandonment	~500	Implement the abandonment plan	As required

1.9 PROJECT COST

- 43 The indicative project cost is estimated at PHP 25,000,000,000.00 (25 Billion Pesos) that will include the following:
- Conduct of feasibility study, preparation of detailed engineering design, acquisition of necessary government permits and licenses;
 - Site development;
 - Construction of power plant, substation, and transmission line components;
 - Procurement of necessary equipment and materials;
 - Environmental management and protection, pollution control facilities; and
 - Environmental monitoring activities.

1.10 PRELIMINARY IDENTIFICATION OF ENVIRONMENTAL IMPACTS

- 44 To address the potential environmental impacts of the proposed project, an environmental management plan will be prepared, presenting the proposed mitigation and/or enhancement measures that can be employed during the different phases of the project development.
- 45 **Table 1-6** presents the initial environmental impacts and management plan.

Table 1-6: Environmental Impacts and Management Plan

CONSTRUCTION PHASE				
Environmental Aspect	Environmental Component Likely to be Affected	Potential Impact/s	Prevention/Mitigation/Enhancement Measures	
CONSTRUCTION PHASE	LAND			
	Cut and fill activities	Land Use and Classification	Change/inconsistency in land use	▪ The proposed project site is situated within an industrial area; No land use change issues perceived
			Encroachment in an environmentally critical area (ECA)	▪ The proposed project site does not encroach an ECA
		Geology/ Geomorphology	Change in surface landform/terrain/slope	▪ Formulation and implementation of proper grading plan
			Change in sub-surface underground geomorphology	▪ Onsite excavations are expected to cause permanent but low level of disturbance ▪ Strict adherence to geotechnical study recommendations
	Site preparation and earthworks	Pedology	Soil erosion	▪ Implementation of appropriate soil erosion control measures
		Terrestrial Ecology	Vegetation removal and loss of habitat	▪ The proposed project is located within an industrial complex; No ecologically sensitive habitats observed
			Threat to existence and/or loss of important local species	
			Threat to abundance, frequency and distribution of important species	
			Hindrance to wildlife access	
	WATER			
	Water consumption during construction	Hydrology/ Hydrogeology	Depletion water resources/ competition in water use	▪ Implementation of water conservation measures
	Mobilization of construction equipment and materials; Generation of construction wastes	Water Quality	Degradation of groundwater quality	▪ Formulation and strict implementation of waste management plan ▪ Water quality monitoring

Environmental Aspect		Environmental Component Likely to be Affected	Potential Impact/s	Prevention/Mitigation/Enhancement Measures
OPERATIONAL PHASE	AIR			
	Mobilization of construction equipment and materials	Air Quality and Noise Levels	Degradation of air quality	<ul style="list-style-type: none"> Formulation and implementation of construction impact management plan Ambient air quality and noise level monitoring
	PEOPLE			
	Hiring of workers	Local Employment	Increase in local employment	<ul style="list-style-type: none"> Prioritized hiring of qualified local residents; GAD sensitivity
	Increase in taxes and revenues	Local Economy	Improvement in local infrastructure and social services	<ul style="list-style-type: none"> Diligent imbursement of taxes and revenues
	Accidents	Public Safety	Possible occurrence of construction-related hazards	<ul style="list-style-type: none"> Provision of environmental health and safety training prior to construction
	LAND			
	Accidental oil spill	Pedology	Soil contamination	<ul style="list-style-type: none"> Formulation and strict implementation of emergency management plan Soil quality monitoring
	WATER			
	Generation of domestic wastewater/ oily wastewater	Water Quality	Degradation of groundwater quality	<ul style="list-style-type: none"> Provision of oily wastewater treatment system Formulation and strict implementation of waste management plan Water quality monitoring
	AIR			
	Utilization of fuel oils	Air Quality	Degradation of air quality	<ul style="list-style-type: none"> Ambient air quality monitoring and emissions testing
	Use of generators	Noise Levels	Increase in ambient noise levels	<ul style="list-style-type: none"> Proper operation and maintenance of environmentally acceptable equipment Provision of proper personal protective equipment (PPE) for plant personnel

Environmental Aspect		Environmental Component Likely to be Affected	Potential Impact/s	Prevention/Mitigation/Enhancement Measures
				<ul style="list-style-type: none">Ambient noise level monitoring
	PEOPLE			
	Hiring of workers	Waste Management	Generation of sewage/solid waste	<ul style="list-style-type: none">Formulation and strict implementation of waste management plan
		Population	Change in population size and distribution	<ul style="list-style-type: none">Prioritized hiring of qualified local residentsCoordination with the local public employment service office
		Social Services	Overburdening of public social services	<ul style="list-style-type: none">Prioritized hiring of qualified local residents
		Health	Introduction of disease between migrant and local workers	<ul style="list-style-type: none">Medical certificate as part of employment requirementsFormulation and implementation of safety and health programProvision of health and sanitation facilities within the plant siteMonitoring of occurrence of unusual health problems that may be associated with the project
	Operation of the power plant	Local Economy	Increased social and economic financial activities	<ul style="list-style-type: none">Positive impact; No mitigation required
		Public Safety	Fire hazard	<ul style="list-style-type: none">Provision of fire protection system
	LAND			
	ABANDONMENT PHASE	Decommissioning	Pedology	Soil contamination
Terrestrial Ecology			Increase in biodiversity due to rehabilitation activities	<ul style="list-style-type: none">Positive impact; No mitigation required
Disposal of wastes		Groundwater Quality	Possible occurrence of spills and contamination	<ul style="list-style-type: none">Formulation and implementation of waste management plan

Environmental Aspect	Environmental Component Likely to be Affected	Potential Impact/s	Prevention/Mitigation/Enhancement Measures
			▪
AIR			
Demolition and abandonment activities	Air Quality and Noise Levels	Generation of dust and noise	<ul style="list-style-type: none">▪ Watering during dismantling activities to minimize dust generation▪ Proper vehicle maintenance▪ Limiting noise-generating activities during daytime▪ Ambient air quality and noise level monitoring
PEOPLE			
Decommissioning activities	Local Community	Possible local disturbance or damage through increased road traffic, noise, etc.	<ul style="list-style-type: none">▪ Formulation and implementation of decommissioning impact management plan
Hiring of workers for demolition and abandonment activities	Local Employment	Increase in local employment during abandonment; Development of new skills	<ul style="list-style-type: none">▪ Prioritized hiring of qualified local residents
Loss of jobs/employment	Local Economy	Reduction in service opportunities for local contractors with established contracts with the project (e.g., maintenance service providers, site transport services, etc.)	<ul style="list-style-type: none">▪ Formulation and implementation of Abandonment Plan▪ Effective human resources management through consultative planning and communication
	Demography	Out-migration of affected project staff to seek job opportunities elsewhere	
NOTHING FOLLOWS			

IEC Documentation Report

1200 MW Dual-Fuel Power Plant Project

Ingrid3 Power Corp.

Barangay Libjo and Malitam, Batangas City

Submitted to:

Environmental Management Bureau – Central Office

July 2021

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Attachment 1 :	IEC Presentation Material
Attachment 2 :	Proof of Receipt of IEC Meeting Invitation Letter
Attachment 3 :	IEC Meeting Attendance Sheet
Attachment 4 :	Initial Perception Survey Form Template

INTRODUCTION

- ¹ **Ingrid3 Power Corp.** (the “Proponent”) will be developing a dual-fuel power plant (the “Generation Facility”), with a target net capacity of 1200 MW and installed capacity of 1250 MW, in Barangay Libjo and Malitam, Batangas City. It is planned to be connected to the NGCP 500 kV Pinamukan Substation. **Table 1** provides the summary of project information.

Table 1: Project Information

Project Name	1200 MW Dual-Fuel Power Plant Project
Project Location	Brgy. Libjo and Malitam, Batangas City
Project Area	24 hectares
Project Type	Dual-Fuel Power Plant
Project Size/Capacity	1200 Megawatts (net); 1250 Megawatts (installed)
Project Proponent	Ingrid3 Power Corp. Office Address: 4/F, 6750 Office Tower, Ayala Avenue, Ayala Center, Makati City Tel. No.: (02) 7730-6300 Authorized Representative: Atty. Rodrigo M. San Pedro, Jr. (Attorney-In-Fact)
EIA Preparer	LCI Envi Corporation Office Address: Unit 8L-M, Future Point Plaza 3, 111 Panay Avenue, South Triangle, Quezon City Tel. No.: (02) 8652-5890 Authorized Representative: Engr. Jose Marie U. Lim (EIA Team Leader)

SECTION 1

IEC MEETING

1.1 RATIONALE AND OBJECTIVES

- ¹ As stipulated in the DENR Administrative Order No. 2017-15 (Guidelines on Public Participation under the Philippine Environmental Impact Statement System), at the onset of the environmental impact assessment (EIA) process, early involvement of stakeholders must be initiated before the scoping through the conduct of information and education campaign (IEC).
- ² With the emergence of the Corona Virus Disease 2019 (COVID-19) in the Philippines, the conduct of the IEC was done with minimal interaction and adhered to guidelines and protocols for mass gatherings set by the Inter-Agency Task Force for the Management of Emerging Infectious Diseases (IATF).

1.2 SCHEDULE AND PARTICIPANTS

- ³ The IEC meeting in Brgy. Libjo was conducted at the Maribelle's Garden and Catering from 9:00 am to 10:00 am on 05 July 2021. The participants were composed of Barangay Local Government Unit (BLGU) of Libjo, representatives of Department of Environment and Natural Resources – Community Environment and Natural Resources Office (DENR-CENRO) Lipa and representatives of City Environment and Natural Resources Office (CENRO), City Mayor's Office (CMO) and City Planning and Development Office (CPDO) of Batangas City. A total of 27 people, 18 males and 9 females participated in the IEC meeting.
- ⁴ The IEC meeting in Brgy. Malitam was conducted at the barangay hall of Brgy. Malitam from 1:30 pm to 2:30 pm on 05 July 2021. The participants were composed of BLGU of Malitam, representative of Department of Environment and Natural Resources – Environmental Management Bureau Provincial Environmental Management Unit (DENR-EMB PEMU) Batangas, and representatives of CPDO of Batangas City. A total of 17 people, 9 males and 8 females participated in the IEC meeting.
- ⁵ The IEC meetings were facilitated by LCI Envi Corporation (EIA Consultant), together with representatives from Ingrid3 Power Corporation (Proponent).

1.3 HIGHLIGHTS

- ⁶ Photo-documentation of the IEC activity in Brgy. Libjo and Brgy. Malitam are provided in **Figure 1** and **Figure 2**, respectively. The issues and concerns raised by the participants from Brgy. Libjo and Brgy. Malitam during the open forum and the corresponding responses of the project proponent and EIA consultant are summarized in **Table 2** and **Table 3**, respectively.

Figure 1: Photo Documentation of the IEC Meeting in Brgy. Libjo



SOURCE: Photos taken by LCI Study Team on 05 July 2021		
FIGURE NO.	FIGURE TITLE	
1	PHOTO DOCUMENTATION OF THE IEC MEETING IN BRGY. LIBJO	
PROJECT PROPONENT:	PROJECT TITLE & LOCATION:	REPORT PREPARER:
INGRID3 POWER CORP.	1200-MW DUAL-FUEL POWER PLANT PROJECT Brgy. Libjo and Malitam, Batangas City	LCI ENVI CORPORATION

Figure 2: Photo Documentation of the IEC Meeting in Brgy. Malitam



Participants of the IEC Meeting in Brgy. Malitam



Presentation During the Meeting



Issues raised by Brgy. Captain Mamerto Marasigan



Ingrid3 addressing the concerns of barangay



Ingrid3 sharing the potential benefits of the project



LCI summarizing the issues raised

SOURCE: Photos taken by LCI Study Team on 05 July 2021

FIGURE NO.		FIGURE TITLE	
2		PHOTO DOCUMENTATION OF THE IEC MEETING IN BRGY. MALITAM	
PROJECT PROPONENT: INGRID3 POWER CORP.		PROJECT TITLE & LOCATION: 1200-MW DUAL-FUEL POWER PLANT PROJECT Brgy. Libjo and Malitam, Batangas City	REPORT PREPARER: LCI ENVI CORPORATION

Table 2: Matrix of Issues and Concerns Raised During the IEC Meeting in Brgy. Libjo

ISSUES/CONCERNS/QUERIES	RAISED BY	RESPONSES
<ul style="list-style-type: none"> Will the proposed Project be under Philippine Economic Zone Authority (PEZA)? What will be the benefits of the barangay from the proposed Project? The other projects in the area also have jetty. May I know the location of the jetty of the proposed Project? May I know if there will be a Multipartite Monitoring Team (MMT) for the proposed Project? 	Jorge Catilo Brgy. Captain Barangay Libjo	<p>Ingrid3</p> <ul style="list-style-type: none"> Based on the experience of the previous projects, the proposed Project will probably not be under PEZA. Under ER 1-94, the host barangay will be eligible for 30% of the fund, while the host municipality or city is 35%. Barangays other than the host barangay may have access to the municipal or city fund. This fund is guaranteed. The Proponent will consider the jetty of other projects in the area in finalizing the location of the jetty. The final design will include the location of the jetty. <p>Ingrid3</p> <ul style="list-style-type: none"> The MMT is one of the conditions of the ECC. It will be composed of representatives from different stakeholders.
<ul style="list-style-type: none"> Flood is already a problem in the area. Brgy. Libjo is considered a catch basin. Where is the potential discharge location of the proposed Project? Indicate it on the plant layout. If I may suggest, can you include a training program for the residents of Brgy. Libjo? This is in connection to the prioritization of hiring of residents from the barangay. What will be the benefits of the barangay from the proposed Project? If I may suggest, can you include the representatives of the barangay in the survey? 	Joel Chavez Brgy. Administrator Barangay Libjo	<p>Ingrid3</p> <ul style="list-style-type: none"> The design of the proposed project will consider the issue of flooding. The final design will include the potential discharge location. The Proponent will consider the suggestion of having a training program for residents of Brgy. Libjo. Other than the previously mentioned benefits under ER-194, the Proponent will prepare a social development plan for the host barangay. <p>LCI</p> <ul style="list-style-type: none"> The consultant will coordinate the baseline data collection with the barangay.
<ul style="list-style-type: none"> I would like to know the mother company of the proposed Project. I would like to emphasize the city ordinance from which 75% of the total employees will be from the host barangay. The potential in migration of employees from other areas may bring issues to peace and order. The fisherfolks will be affected by the proposed Project. What can you do to mitigate this issue? 	Armando Lazzarte Executive Assistant of the CMO Batangas City	<p>Ingrid3</p> <ul style="list-style-type: none"> The mother company is AC Energy which is under Ayala Corporation. The Proponent will prioritize the hiring of skilled and qualified workers from the host barangay The Proponent will follow the protocols of the host barangay regarding migration to prevent issues on peace and order. The livelihood programs will target fisherfolks, women, senior citizens,

ISSUES/CONCERNS/QUERIES	RAISED BY	RESPONSES
<ul style="list-style-type: none"> Present the design and the list of benefits of the barangay from the proposed Project next meeting. 		<p>and other sectors of society. The Proponent will conduct a consultation to determine appropriate livelihood programs that will be implemented and benefit the barangay.</p> <ul style="list-style-type: none"> The Proponent will present the final design and list of benefits in the next meeting.
<ul style="list-style-type: none"> What type of fuel will the proposed Project consume? Where will you source the fuel? Indicate the buffer zone on the plant layout. 	Michael de Chavez Barangay Libjo	<p>Ingrid3</p> <ul style="list-style-type: none"> The proposed Project will use gas or liquid fuel during the operation. Currently, the Proponent is still finalizing the source. The 24-hectare project area already includes the buffer zone area. The Proponent will present the buffer zone in the final design.
<ul style="list-style-type: none"> Do the parcels of land already have titles? The proposed Project needs to secure a foreshore lease agreement (FLA). 	Luis Fernando DENR CENRO Lipa	<p>Ingrid3</p> <ul style="list-style-type: none"> The 24-hectare project area is composed of numerous parcels of land. Some of these lands have titles, while the remaining have tax declarations. The Proponent will secure an FLA for the proposed Project.
<ul style="list-style-type: none"> What will be the building area? Where will the proposed Project connect on the national grid? Do you consider the right-of-way (ROW) acquisition for this? The proposed Project will use water during its operation. Include the potential water resource competition in the study. Include the assessment of the potential impact on the environment of the proposed Project. Also, include the plan during emergency scenarios. 	Arch. Cardelan Hernandez CPDO Batangas City	<p>Ingrid3</p> <ul style="list-style-type: none"> The project is in an early stage that is why the final building area is not yet known. The proponent will present this in the final design. The Proponent is looking at connecting to the Pinamukan substation, but this is subject to system impact study of National Grid Corporation of the Philippines (NGCP). The Proponent will consider the ROW acquisition in the final design. <p>LCI</p> <ul style="list-style-type: none"> The EIA study will cover the potential water resource competition. It will also include the potential impact on the environment of the proposed Project.

Table 3: Matrix of Issues and Concerns Raised During the IEC Meeting in Brgy. Malitam

ISSUES/CONCERNS/QUERIES	RAISED BY	RESPONSES
<ul style="list-style-type: none"> The Proponent should prioritize the hiring of residents from the barangay. What will be the benefits of the barangay from the proposed Project? 	Mamerto Marasigan Brgy. Captain Barangay Malitam	<p>Ingrid3</p> <ul style="list-style-type: none"> The Proponent will prioritize the hiring of skilled and qualified workers from the host barangay. Under ER 1-94, the host barangay will be eligible for 30% of the fund, while the host municipality or city is 35%. Barangays other than the host barangay may have access to the municipal or city fund. This fund is guaranteed. Other than the benefits under ER-194, the Proponent will prepare a social development plan for the host barangay. The barangay will also benefit from the real property tax. The Proponent will prepare appropriate corporate social responsibility (CSR) projects for the host barangays.
<ul style="list-style-type: none"> Does the workers from other barangays will secure certification from Brgy. Malitam? Prioritize the mangrove areas on the final design of the proposed Project. The fisherfolks will be affected by the proposed Project. What can you do to mitigate this issue? The project Proponent should prioritize the hiring of residents from barangay that is qualified for the job. 	Robert Panaligan Brgy. Kagawad Barangay Malitam	<p>Ingrid3</p> <ul style="list-style-type: none"> Yes, the workers will secure certification from the barangay. As much as possible, the mangrove area, if there is any, will be prioritized in the design. The livelihood programs will target fisherfolks, women, senior citizens, and other sectors of society. The Proponent will conduct a consultation to determine appropriate livelihood programs that will be implemented and benefit the barangay. The Proponent will prioritize the hiring of skilled and qualified workers from the host barangay.
<ul style="list-style-type: none"> What are the potential impacts of the proposed Project on the environment? 	Jeany Rose Dudas Brgy. Konsehal Barangay Malitam	<p>LCI</p> <ul style="list-style-type: none"> The EIA study will cover the potential impact on the environment (land, water, air and people) of the proposed Project.
<ul style="list-style-type: none"> Do you include the biological environment in the planned survey? 	Arch. Cardelan Hernandez CPDO Batangas City	<p>LCI</p> <ul style="list-style-type: none"> The baseline environmental sampling will include the terrestrial flora and fauna survey.
<ul style="list-style-type: none"> What is the current land use of the proposed Project site? The Proponent should secure a Zoning Certificate from the City LGU. 	Arch. Marie Charmaine Marasigan CPDO Batangas City	<p>LCI</p> <ul style="list-style-type: none"> Based on the latest CLUP of Batangas City, the area is an industrial zone. The Proponent will secure a Zoning Certification from the City LGU as part of the ECC process.

- ⁸ Based on the concerns raised during the open forum, attendees were concerned with the benefits of the project and its possible environmental impacts. Overall, the barangay representatives welcome the project.

SECTION 2

INITIAL PERCEPTION SURVEY

2.1 OBJECTIVE

- ⁹ The initial perception survey was conducted before the IEC meeting held in Brgy. Libjo and Brgy. Malitam in Batangas City, Batangas. It was done to assess the preliminary knowledge and perception of the community representatives on the proposed 1200-MW Dual-Fuel Power Plant Project.

2.2 METHODOLOGY

- ¹⁰ The respondents filled out a two-page survey form written in Filipino. The initial perception survey form has two parts: the first part contains 10 questions on the respondent's profile, while the second part has 6 questions that aimed to gauge the awareness and gather the opinion of the respondents on the proposed project.

2.3 SUMMARY OF RESULTS

- ¹¹ A total of 22 respondents participated in the initial perception survey. The profile of the respondents is summarized in **Table 4**. Further, the initial perception survey results are presented in **Table 5**.

Table 4: Profile Summary of the Initial Perception Survey Respondents

ITEM	RESULTS
Residence & Period of Residency	<ul style="list-style-type: none"> 10 of the respondents are residents of Brgy. Libjo, 9 are residents of Brgy. Malitam and 3 are residents of other barangays. 10 have lived in Brgy. Libjo and 7 have in Brgy. Malitam for more than 10 years
Gender Distribution	<ul style="list-style-type: none"> 11 respondents are male, 11 are female.
Civil Status	<ul style="list-style-type: none"> 11 respondents are married 7 respondents are not married 3 respondents are a widow 1 respondent is separated
Religious Affiliation	<ul style="list-style-type: none"> 20 of the respondents are Roman Catholic, 1 is Born Again Christian and 1 is Baptist Christian
Educational Attainment	<ul style="list-style-type: none"> 13 respondents attended or finished college. 6 respondents attended or finished high school 3 respondents finished a vocational course
Source of Income/Livelihood	<ul style="list-style-type: none"> 15 respondents are barangay officials 4 respondents are government employees 1 respondent are business owners 1 respondent is a private employee 1 respondent is other
Average Monthly Income (PHP)	<ul style="list-style-type: none"> 1 respondent is earning less than Php 5,000 per month 8 respondents are earning between Php 5,001 to Php 10,000 per month 9 respondents are earning between Php 10,001 to Php15,000 per month 1 respondent is earning between Php 15,001 to Php20,000 per month 3 respondents didn't answer

Table 5: Results Summary of the Initial Perception Survey on the Proposed Project

ITEM	RESULTS
Awareness about the proposed Project	<ul style="list-style-type: none"> 14 of the respondents are aware of the project, 7 are not aware and 1 didn't answer. The respondents learned about the project through Barangay/City Officials and the proponent
Opinion of the nature of the project	<ul style="list-style-type: none"> 5 of the respondents believed that the proposed project would be beneficial. 17 respondents are not certain if the project will be beneficial nor detrimental to the community.
Potential positive effects of the project to the respondent, community, and environment	<ul style="list-style-type: none"> 17 out of 22 respondents answered that the proposed project could provide employment opportunities. 12 out of 22 respondents said that the project may increase economic activities in the host barangay. 8 out of 22 respondents answered that it could increase local and city tax revenues.
Potential negative effects of the project to the respondent, community, and environment	<ul style="list-style-type: none"> 15 out of 22 respondents answered that the proposed project could cause air pollution. 6 out of 22 respondents are concerned about noise generation 3 out of 22 respondents answered that the proposed project could cause water pollution. 5 out of 22 respondents answered that the proposed Project will bring more solid wastes. 3 out of 22 respondents answered that the proposed project could cause land pollution.
Message to the Proponent	<ul style="list-style-type: none"> 11 out of 22 respondents said that the proponent must avoid various kinds of pollution. 11 out of 22 respondents answered that the proponent must protect the environment. 8 out of 22 respondents answered that the proponent should have additional projects for the impact barangays.

Attachment 1

IEC PRESENTATION MATERIAL

INGRID3 POWER CORP.

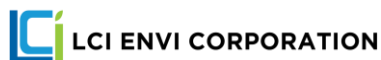
PROPOSED 1200 MW DUAL-FUEL POWER PLANT PROJECT

BARANGAY LIBJO AND MALITAM, BATANGAS CITY

**INGRID3 POWER CORP.
1200 MW DUAL-FUEL POWER PLANT PROJECT
INFORMATION, EDUCATION AND
COMMUNICATION CAMPAIGN**

05 July 2021 (Monday) | Barangay Libjo, Batangas City

Ingrid3 Power Corp.



1

AGENDA

- **Panimula tungkol sa EIA**
- **Impormasyon tungkol sa Proyekto**
 - Tagapagtaguyod ng proyekto
 - Layunin ng Proyekto
 - Lokasyon, Uri, at Kapasidad
- **Mga Aktibidad para sa EIA**
- **Open Forum**

2

ANO ANG “EIA”?

Ang **Environmental Impact Assessment** o **EIA** ay isang proseso ng pagsusuri sa mga epekto na maaaring idulot ng isang proyekto sa kapaligiran, mula sa pagtatayo (construction) nito, hanggang sa pamamalakad (operation), at pag-abanduna (abandonment).

3

ANO ANG “EIA”?

Saklaw ng EIA ang pagtukoy sa angkop na mga gawain o pamamaraan (preventive, mitigating, and enhancement measures) na tutugon sa posibleng epekto ng proyekto upang mapangalagaan ang kapakanan ng kapaligiran at ng komunidad.

4

Sino ang kasama sa paggawa ng EIA?

- ✓ Tagapagtaguyod ng proyekto (Proponent) at/o kasangguni nito ukol sa EIA (Consultant)
- ✓ DENR Environmental Management Bureau
- ✓ Komunidad na apektado
- ✓ At iba pang maytaya (stakeholders) sa proyekto

5

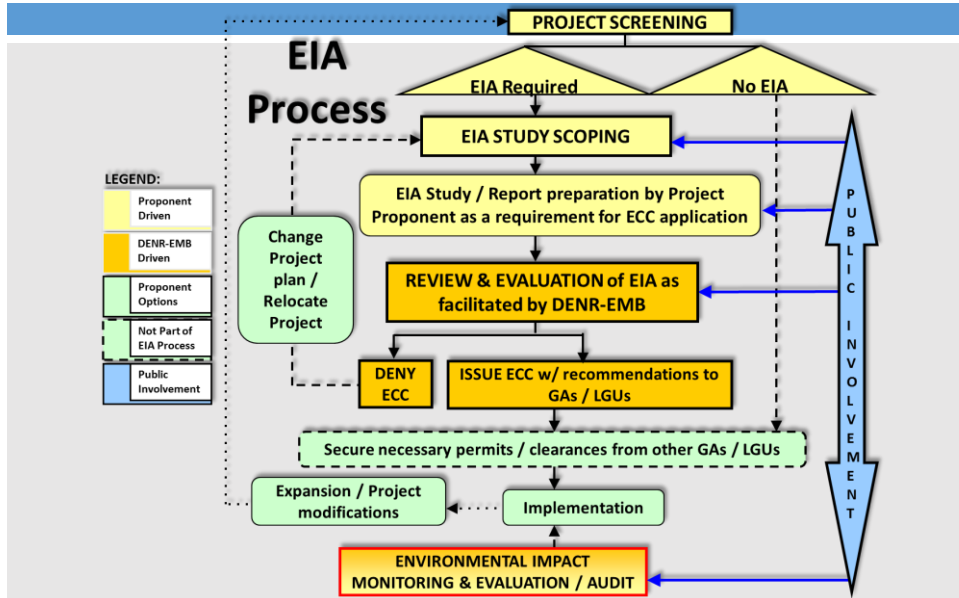
PD 1151 – Philippine Environmental Policy

- ❑ Ipinag-uutos ang pagsasagawa ng EIA para sa lahat ng proyektong maaaring magdulot ng malaking epekto sa kapaligiran
- ❑ Itinatakda ang pangkalahatang patakaran tungo sa pagpapabuti ng kalidad ng pamumuhay ng kasalukuyan at susunod na henerasyon

PD 1586 – Philippine Environmental Impact Statement System

- ❑ Isinasaad ang balangkas o *framework* sa pagpapatupad ng EIA bilang isang mekanismo upang isaalang-alang ang maaaring idulot ng mga proyektong pangkaunlaran o development projects sa lipunan at sa kapaligiran

6



7

IMPORMASYON TUNGKOL SA PROYEKTO

PANGALAN NG PROYEKTO	1200 MW Dual-Fuel Power Plant Project
LOKASYON	Brgy. Libjo and Malitam, Batangas City
URI NG PROYEKTO	Dual-Fuel Gas Turbine Power Plant
LAKI/KAPASIDAD	24 hectares; 1200 Megawatts (Net)
PROONENT	Ingrid3 Power Corp.

9

IMPORMASYON TUNGKOL SA PROYEKTO

- Ang proyekto ay naglalayong makaambag o sumuporta sa pangkalahatang suplay ng kuryente sa Luzon.



10

LOKASYON NG PROYEKTO



11

PROSESO / TEKNOLOHIYA

- Ang planta ay gagamit ng *gas* o *liquid fuel* para sa operasyon.

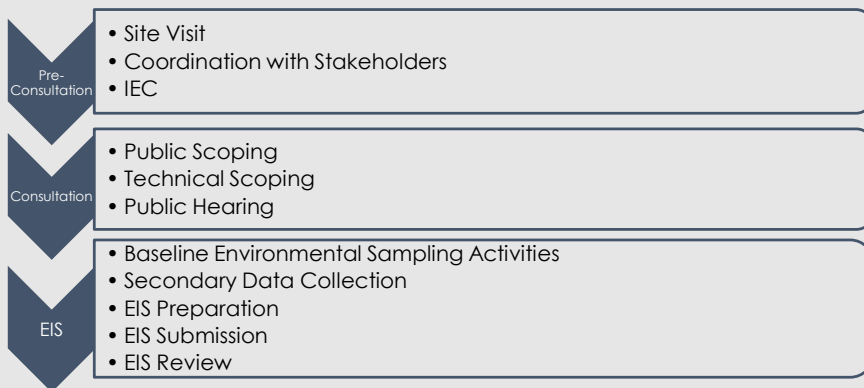
12

SAMPLE POWER PLANT LAYOUT



13

Mga gawain para sa EIA



22

Mga susunod na hakbang:

- Submission of Project Description for Scoping
- Public Scoping
- Baseline Data Collection
 - Ambient Air Quality and Noise Level Monitoring
 - Ground, Surface and Coastal Water Sampling
 - Soil Sampling
 - Terrestrial Flora and Fauna Survey
 - Air Dispersion Modelling
 - Marine Survey
 - Initial Perception Survey

23

OPEN FORUM

24

Gabay

- Anu-ano pa ang nais ninyong malaman o talakayin tungkol sa proyekto?
- Anu-ano ang nais ninyong ipabatid o ipagbigay-alam sa tagapagtaguyod ng proyekto/ project proponent?

25

SUMMARY OF ISSUES

26

***Para sa karagdagang tanong,
makipag-ugnayan sa:***

Ingrid3 Power Corp.

**4/F, 6750 Office Tower, Ayala Avenue,
Ayala Center, Makati City**

Telepono : (02) 7730-6300

LCI ENVI CORPORATION

**Unit 8L-M Future Point Plaza 3 111 Panay
Avenue, Quezon City**

Telepono: (02) 8652-5890

27



MARAMING SALAMAT PO

Ingrid3 Power Corp.



INGRID3 POWER CORP.
1200 MW DUAL-FUEL POWER PLANT PROJECT
INFORMATION, EDUCATION AND
COMMUNICATION CAMPAIGN

05 July 2021 (Monday) | Barangay Malitam, Batangas City

Ingrid3 Power Corp.



1

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Ang **Environmental Impact Assessment** o **EIA** ay isang proseso ng pagsusuri sa mga epekto na maaaring idulot ng isang proyekto sa kapaligiran, mula sa pagtatayo (construction) nito, hanggang sa pamamalakad (operation), at pag-abanduna (abandonment).

3

ANO ANG “EIA”?

Saklaw ng EIA ang pagtukoy sa angkop na mga gawain o pamamaraan (preventive, mitigating, and enhancement measures) na tutugon sa posibleng epekto ng proyekto upang mapangalagaan ang kapakanan ng kapaligiran at ng komunidad.

4

Sino ang kasama sa paggawa ng EIA?

- ✓ Tagapagtaguyod ng proyekto (Proponent) at/o kasangguni nito ukol sa EIA (Consultant)
- ✓ DENR Environmental Management Bureau
- ✓ Komunidad na apektado
- ✓ At iba pang maytaya (stakeholders) sa proyekto

5

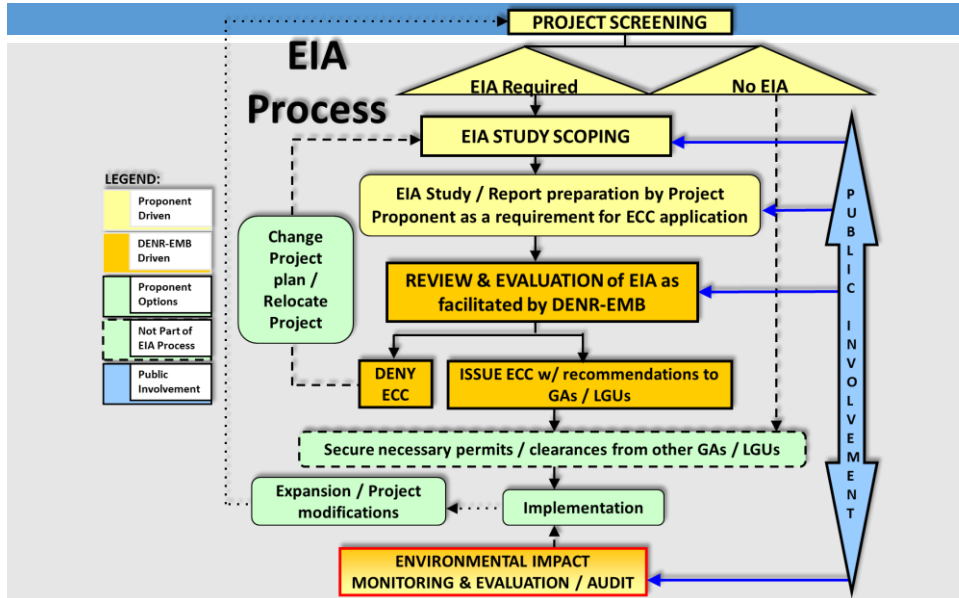
PD 1151 – Philippine Environmental Policy

- ❑ Ipinag-uutos ang pagsasagawa ng EIA para sa lahat ng proyektong maaaring magdulot ng malaking epekto sa kapaligiran
- ❑ Itinatakda ang pangkalahatang patakaran tungo sa pagpapabuti ng kalidad ng pamumuhay ng kasalukuyan at susunod na henerasyon

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6



7

IMPORMASYON TUNGKOL SA PROYEKTO

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9

IMPORMASYON TUNGKOL SA PROYEKTO

- Ang proyekto ay naglalayong makaambag o sumuporta sa pangkalahatang suplay ng kuryente sa Luzon.



10

LOKASYON NG PROYEKTO



11

PROSESO / TEKNOLOHIYA

- Ang planta ay gagamit ng *gas* o *liquid fuel* para sa operasyon.

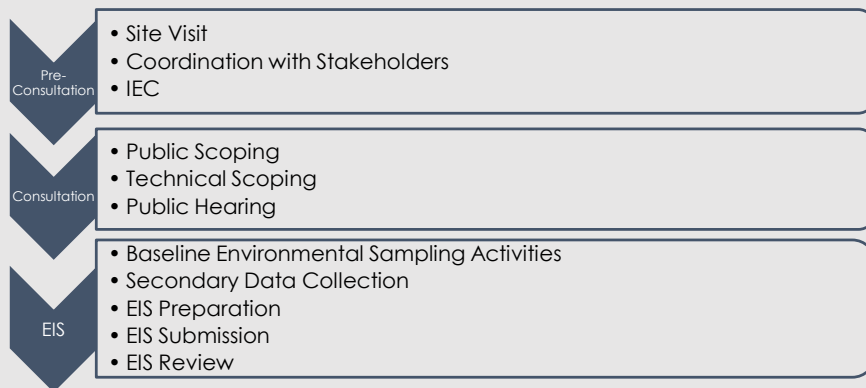
12

SAMPLE POWER PLANT LAYOUT



13

Mga gawain para sa EIA



22

Mga susunod na hakbang:

- Submission of Project Description for Scoping
- Public Scoping
- Baseline Data Collection
 - Ambient Air Quality and Noise Level Monitoring
 - Ground, Surface and Coastal Water Sampling
 - Soil Sampling
 - Terrestrial Flora and Fauna Survey
 - Air Dispersion Modelling
 - Marine Survey
 - Initial Perception Survey

23

OPEN FORUM

24

Gabay

- Anu-ano pa ang nais ninyong malaman o talakayin tungkol sa proyekto?
- Anu-ano ang nais ninyong ipabatid o ipagbigay-alam sa tagapagtaguyod ng proyekto/ project proponent?

25

SUMMARY OF ISSUES

26

***Para sa karagdagang tanong,
makipag-ugnayan sa:***

Ingrid3 Power Corp.

**4/F, 6750 Office Tower, Ayala Avenue,
Ayala Center, Makati City**

Telepono : (02) 7730-6300

LCI ENVI CORPORATION

**Unit 8L-M Future Point Plaza 3 111 Panay
Avenue, Quezon City**

Telepono: (02) 8652-5890

27



MARAMING SALAMAT PO

Ingrid3 Power Corp.



Attachment 2

PROOF OF RECEIPT OF IEC MEETING INVITATION LETTER

INGRID3 POWER CORP.

PROPOSED 1200 MW DUAL-FUEL POWER PLANT PROJECT
BARANGAY LIBJO AND MALITAM, BATANGAS CITY

INGRID3POWER

Ingrid3 Power Corporation
4F 6750 Office Tower, Ayala Avenue
Makati City 1226 Philippines

29 June 2021

HONORABLE JORGE C. CATILO
Punong Barangay
Barangay Libjo, Batangas City

SUBJECT: Information, Education and Communication (IEC) Campaign Meeting
Proposed 1200 MW Dual-Fuel Power Plant Project
Barangay Libjo and Malitam, Batangas City

Dear Hon. Catilo:

The Ingrid3 Power Corp., with their consultant, LCI Envi Corporation, will conduct *Environmental Impact Assessment* (EIA) for the *Proposed 1200 MW Dual-Fuel Power Plant Project* in Barangay Libjo and Malitam, Batangas City.

In line with this, may we respectfully invite you or your representative to an Information, Education and Communication (IEC) Campaign Meeting which is a requirement in the ECC Application of the abovementioned proposed Project. The objective of the meeting is to introduce the proposed Project, the Proponent and the succeeding activities to the key stakeholders.

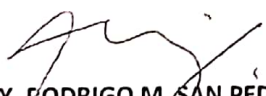
We also encourage the following organizations which are potential stakeholders of the proposed Project to join the meeting: a) Interest groups (NGOs/POs) preferably those with mission/s specifically related to the type and impacts of the proposed undertaking/project; b) People whose socio-economic welfare and cultural heritage are projected to be affected by the project especially vulnerable sectors and indigenous populations; and c) local institutions (schools, churches, hospital).

The *Information, Education and Communication (IEC) Campaign Meeting* will be held on **05 July 2021 (Monday)** at 9:00 am to 10:00 am in Libjo Day Care Center, Brgy. Libjo, Batangas City. Given the current condition of the pandemic, we would like to remind you of the protocol regarding the limitation of participants to 10 persons only.

Accompanying this letter are the proposed program and IEC materials. Should you have questions, your office may reach out to Mr. Jerickson M. Caguite of LCI Envi Corporation at (02) 8652-5890 / 0936 911 9043.

Thank you very much and we hope for your positive response.

Sincerely,


ATTY. RODRIGO M. SAN PEDRO, JR.
Attorney-In-Fact
Ingrid3 Power Corp.

Received by:
Lupina
6/30/2021

INGRID3POWER

Ingrid3 Power Corporation
4F 6750 Office Tower, Ayala Avenue
Makati City 1226 Philippines

29 June 2021

HONORABLE MAMERTO D. MARASIGAN

Punong Barangay
Barangay Malitam, Batangas City

**SUBJECT: Information, Education and Communication (IEC) Campaign Meeting
Proposed 1200 MW Dual-Fuel Power Plant Project
Barangay Libjo and Malitam, Batangas City**

Dear Hon. Marasigan:

The Ingrid3 Power Corp., with their consultant, LCI Envi Corporation, will conduct *Environmental Impact Assessment (EIA)* for the *Proposed 1200 MW Dual-Fuel Power Plant Project* in Barangay Libjo and Malitam, Batangas City.

In line with this, may we respectfully invite you or your representative to an Information, Education and Communication (IEC) Campaign Meeting which is a requirement in the ECC Application of the abovementioned proposed Project. The objective of the meeting is to introduce the proposed Project, the Proponent and the succeeding activities to the key stakeholders.

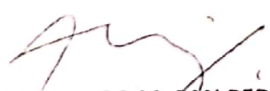
We also encourage the following organizations which are potential stakeholders of the proposed Project to join the meeting: a) Interest groups (NGOs/POs) preferably those with mission/s specifically related to the type and impacts of the proposed undertaking/project; b) People whose socio-economic welfare and cultural heritage are projected to be affected by the project especially vulnerable sectors and indigenous populations; and c) local institutions (schools, churches, hospital).

The *Information, Education and Communication (IEC) Campaign Meeting* will be held **05 July 2021 (Monday)** at 1:30 pm to 2:30 pm in Barangay Hall, Brgy. Malitam, Batangas City. Given the current condition of the pandemic, we would like to remind you of the protocol regarding the limitation of participants to 10 persons only.

Accompanying this letter are the proposed program and IEC materials. Should you have questions, your office may reach to Mr. Jerickson M. Caguite of LCI Envi Corporation at (02) 8652-5890 / 0936 911 9043.

Thank you very much and we hope for your positive response.

Sincerely,


ATTY. RODRIGO M. SAN PEDRO, JR.
Attorney-In-Fact
Ingrid3 Power Corp.

*Received by
Hon. Marasigan*

Jerickson Caguite

From: PIO Batangas City <pio@batangascity.gov.ph>
Sent: Friday, 2 July 2021 4:10 pm
To: Jerickson Caguite
Subject: Re: FW: IEC Meeting Proposed 1200 MW Dual-Fuel Power Plant Project

received po thanks

PIO Staff

On Fri, Jul 2, 2021 at 4:06 PM Jerickson Caguite <jerickson.caguite@lci-envi.com> wrote:

Hi Sir/Ma'am,

Good day.

The Ingrid3 Power Corp., with their consultant, LCI Envi Corporation, will conduct Environmental Impact Assessment (EIA) for the Proposed 1200 MW Dual-Fuel Power Plant Project in Barangay Libjo and Malitam, Batangas City.

In line with this, attached is the invitation letter to an Information, Education and Communication (IEC) Campaign Meeting which is a requirement in the ECC Application of the abovementioned proposed Project. The meeting will be held on **05 July 2021 (Monday) at 9:00 am to 10:00 am in Libjo Day Care Center, Brgy. Libjo, Batangas City** and at **1:30 pm to 2:30 pm in Barangay Hall, Brgy. Malitam, Batangas City**.

Thank you very much and we hope for your positive response.

Regards,

Jerickson

 **LCI ENVI CORPORATION**
8L-M Futurepoint Plaza 3, 111 Panay Avenue
South Triangle, Quezon City, Metro Manila, Philippines 1103
Tel: +632-84422830 Fax: +632-89619226
www.lci-envi.com

Jerickson Caguite

From: cenrolipa@denr.gov.ph
Sent: Friday, 2 July 2021 1:38 pm
To: Jerickson Caguite
Subject: Re: IEC Meeting Proposed 1200 MW Dual-Fuel Power Plant Project

Acknowledge

DENR-CENRO Lipa City

Tel. No. (043) 774-2976/ 404-9223

On Thursday, July 1, 2021, 08:48:43 AM GMT+8, Jerickson Caguite <jerickson.caguite@lci-envi.com> wrote:

Hi Sir/Ma'am,

Good day.

The Ingrid3 Power Corp., with their consultant, LCI Envi Corporation, will conduct Environmental Impact Assessment (EIA) for the Proposed 1200 MW Dual-Fuel Power Plant Project in Barangay Libjo and Malitam, Batangas City.

In line with this, attached is the invitation letter to an Information, Education and Communication (IEC) Campaign Meeting which is a requirement in the ECC Application of the abovementioned proposed Project. The meeting will be held on **05 July 2021 (Monday) at 9:00 am to 10:00 am in Libjo Day Care Center, Brgy. Libjo, Batangas City** and at **1:30 pm to 2:30 pm in Barangay Hall, Brgy. Malitam, Batangas City**.

Thank you very much and we hope for your positive response.

Regards,

Jerickson

 **LCI ENVI CORPORATION**
8L-M Futurepoint Plaza 3, 111 Panay Avenue
South Triangle, Quezon City, Metro Manila, Philippines 1103
Tel: +632-84422830 Fax: +632-89619226
www.lci-envi.com

Jerickson Caguite

From: DENR Calabarzon Region <r4a@denr.gov.ph>
Sent: Thursday, 1 July 2021 9:12 am
To: Jerickson Caguite
Subject: Re: IEC Meeting Proposed 1200 MW Dual-Fuel Power Plant Project

Good day!

Acknowledged, thank you.

re: IEC Meeting Proposed 1200 MW Dual-Fuel Power Plant Project

On Thu, Jul 1, 2021 at 8:44 AM Jerickson Caguite <jerickson.caguite@lci-envi.com> wrote:

Hi Sir/Ma'am,

Good day.

The Ingrid3 Power Corp., with their consultant, LCI Envi Corporation, will conduct Environmental Impact Assessment (EIA) for the Proposed 1200 MW Dual-Fuel Power Plant Project in Barangay Libjo and Malitam, Batangas City.

In line with this, attached is the invitation letter to an Information, Education and Communication (IEC) Campaign Meeting which is a requirement in the ECC Application of the abovementioned proposed Project. The meeting will be held on **05 July 2021 (Monday) at 9:00 am to 10:00 am in Libjo Day Care Center, Brgy. Libjo, Batangas City** and at **1:30 pm to 2:30 pm in Barangay Hall, Brgy. Malitam, Batangas City**.

Thank you very much and we hope for your positive response.

Regards,

Jerickson

 **LCI ENVI CORPORATION**
8L-M Futurepoint Plaza 3, 111 Panay Avenue
South Triangle, Quezon City, Metro Manila, Philippines 1103
Tel: +632-84422830 Fax: +632-89619226
www.lci-envi.com

Jerickson Caguite

From: OFFICIAL: Secretary Alfonso Cusi <sec.alfonsocusi@gmail.com>
Sent: Saturday, 3 July 2021 10:16 am
To: jerickson.caguite@lci-envi.com; DOE Investment Promotion Office; Power Bureau
Subject: Fwd: IEC Meeting Proposed 1200 MW Dual-Fuel Power Plant Project
Attachments: IEC Invitation Letter and Program_DOE.pdf

Good Day.

We hope this message finds you in good health.
This is to acknowledge receipt of your email to Secretary Alfonso Cusi.
Our concerned unit/s will be contacting you for updates.
Thank you and stay safe.

Best regards,

OSEC Secretariat
Office of the Secretary
Department of Energy
Energy Center, Rizal Drive
Bonifacio Global City
Taguig City, 1632

****Kindly acknowledge receipt of this email.***

DISCLAIMER

This email and its attachments are legally privileged and confidential. It is intended solely for the use of the individual or entity to whom it is addressed. If you are not the intended recipient of this email and its attachments, you must take no action based upon them, nor must you disseminate, distribute or copy this e-mail. Please contact the sender immediately if you believe you have received this email in error. E-mail transmission cannot be guaranteed to be secure or error-free. The recipient should check this email and any attachments for the presence of viruses. The Department of Energy does not accept liability for any errors or omissions in the contents of this message which may arise as a result of e-mail transmission.

----- Forwarded message -----

From: Jerickson Caguite <jerickson.caguite@lci-envi.com>
Date: Fri, Jul 2, 2021 at 1:59 PM
Subject: RE: IEC Meeting Proposed 1200 MW Dual-Fuel Power Plant Project
To: <sec.alfonsocusi@gmail.com>

Hi Sir,

Jerickson Caguite

From: R4A PENRO Batangas <penrobatangas@denr.gov.ph>
Sent: Friday, 2 July 2021 11:23 am
To: Jerickson Caguite
Subject: Re: IEC Meeting Proposed 1200 MW Dual-Fuel Power Plant Project

ACKNOWLEDGED RECEIPT

Provincial Environment and Natural Resources Office - Batangas

Tel No: (043) 723-4399 / 723-6956

On Thursday, 1 July 2021, 08:47:04 am GMT+8, Jerickson Caguite <jerickson.caguite@lci-envi.com> wrote:

Hi Sir/Ma'am,

Good day.

The Ingrid3 Power Corp., with their consultant, LCI Envi Corporation, will conduct Environmental Impact Assessment (EIA) for the Proposed 1200 MW Dual-Fuel Power Plant Project in Barangay Libjo and Malitam, Batangas City.

In line with this, attached is the invitation letter to an Information, Education and Communication (IEC) Campaign Meeting which is a requirement in the ECC Application of the abovementioned proposed Project. The meeting will be held on **05 July 2021 (Monday) at 9:00 am to 10:00 am in Libjo Day Care Center, Brgy. Libjo, Batangas City** and at **1:30 pm to 2:30 pm in Barangay Hall, Brgy. Malitam, Batangas City**.

Thank you very much and we hope for your positive response.

Regards,

Jerickson

Attachment 3

IEC MEETING ATTENDANCE SHEET

INGRID3 POWER CORP.

PROPOSED 1200 MW DUAL-FUEL POWER PLANT PROJECT

BARANGAY LIBJO AND MALITAM, BATANGAS CITY

INFORMATION, EDUCATION AND COMMUNICATION CAMPAIGN MEETING

Proposed 1200 MW DUAL-FUEL POWER PLANT PROJECT

Brgy. Libjo and Malitam, Batangas City

Date: 05 July 2021 (Monday) | Time: 9:00AM – 10:00AM | Venue: Libjo Day Care Center, Brgy. Libjo, Batangas City

ATTENDANCE SHEET

PANGALAN	KASARIAN (✓)		OPISINA/ ORGANISASYON	POSISYON	CONTACT NO.	LAGDA	TEMP.
	Babae	Lalaki					
1. Ladylyn C. Faytoren	✓		Brgy. Libjo	Brgy. Secretary	09173711349	<i>[Signature]</i>	36.6
2. NICK GERALD D. CUETO		✓	Brgy. Libjo	Barangay Disaster OFFICER	09155107181	<i>[Signature]</i>	36.2
3. Rong A. Chavez	✓		Brgy. Libjo	SK Chairman	09068297344	<i>[Signature]</i>	36.3
4. Jocelyn Hernandez	✓		Brgy. Libjo	Brgy. Treasurer	09171674586	<i>[Signature]</i>	36.4
5. BONNIE CAVIERA		✓	Brgy. Libjo	KAGAWAD	09154311639	<i>[Signature]</i>	35.8
6. BASILIA C. KATIGAHAN	✓		DENR-CENRO Lipa	IMO II	09194771264	<i>[Signature]</i>	36.6
7. LUKI P. FERNANDO		✓	-60-	SEMS	09171567900	<i>[Signature]</i>	36.2
8. YLONA LYN MARIANO	✓		CITY ENRO	ENG'G ASSISTANT	09177732371	<i>[Signature]</i>	36.3
9. BONNALYN MUÑOZ	✓		CITY ENRO	ENG'G AIDE	09953164835	<i>[Signature]</i>	36.6
10. Mark Christian Maghin		✓	CITY ENRO	ADMIN AIDE	09275554645	<i>[Signature]</i>	36.6

kemb27@yahoo.com
palintabuis
@email.com

INFORMATION, EDUCATION AND COMMUNICATION CAMPAIGN MEETING

Proposed 1200 MW DUAL-FUEL POWER PLANT PROJECT

Brgy. Libjo and Malitam, Batangas City

Date: 05 July 2021 (Monday) | Time: 9:00AM – 10:00AM | Venue: Libjo Day Care Center, Brgy. Libjo, Batangas City

ATTENDANCE SHEET

PANGALAN	KASARIAN (✓)		OPISINA/ ORGANISASYON	POSISYON	CONTACT NO.	LAGDA	TEMP.
	Babae	Lalaki					
11. ANSELMO M. CATIBAN		✓	BRGY. LIBJO	KONSEHAL	402-0313	<i>[Signature]</i>	36.7
12. MICHAEL DE CHAVEZ		✓	BRGY LIBJO		09189677531	<i>[Signature]</i>	36.2
13. John Matthew P. And		✓	Brgy Libjo	KAGAWAD	09006223263	<i>[Signature]</i>	36.3
14. RICARDO A. LIM		✓	BRGY LIBJO	KAGAWAD	09520424774	<i>[Signature]</i>	36.2
15. JENIE A. BONBON		✓	Brgy Libjo	KONSEHAL	723-4367	<i>[Signature]</i>	36.4
16. Fe B. De Chavez	✓		Brgy Libjo	Konschal	723-2101	<i>[Signature]</i>	36.4
17. Jorge Catib		✓	Brgy. Libjo	BRGY. CAPTAIN	09354601415	<i>[Signature]</i>	36.4
18. Joel Chavez		✓	Brgy. Libjo	Brgy administrator	09175600353	<i>[Signature]</i>	36.4
19. Armando Lazarte		✓	CMD-LGU	EA	09778103024	<i>[Signature]</i>	36.4
20. Cecille Rosales		✓	PNP-CAC	Member	091759150578	<i>[Signature]</i>	36.4

PANGALAN	KASARIAN LALAKI	BABAE	ORGANISASYON	POSISYON	CONTACT #	LAGDA	TEMP.
ALEX M. GONDA	✓		CPDO	ZOI	0920904527		34.5
AR. MARIE CHARMAINE P. MANABGAM		✓	CPDO	Designated ZO	09062253441		37.0
ARCH. CARDELAN B. HERNANDEZ	✓		CPDO	ARCHITECT III	09266972080		36.4

AXLE M16 @ YAHOO.COM

MANUEL T. BUENAVENTURA ✓

Angeli - sipoy

Verickson Coguite ✓

Lester Abando ✓

INCEMOSPOWER CORP

Ingrid3 Power Corp.

LCI Envi Corp.

LCI Envi Corp.

Project Officer

Project Officer

09175081241

09178335107

093691191043

09778068646

36.5

36.5

36.2

36.4

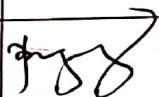
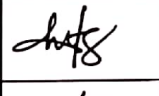
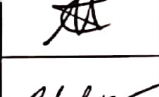
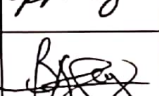
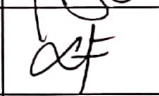

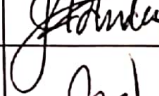

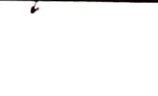

INFORMATION, EDUCATION AND COMMUNICATION CAMPAIGN MEETING

Proposed 1200 MW DUAL-FUEL POWER PLANT PROJECT

Brgy. Libjo and Malitam, Batangas City

Date: 05 July 2021 (Monday) | Time: 1:30PM – 2:30PM | Venue: Barangay Hall, Brgy. Malitam, Batangas City

ATTENDANCE SHEET

PANGALAN	KASARIAN (✓)		OPISINA/ ORGANISASYON	POSISYON	CONTACT NO.	LAGDA	TEMP.
	Babae	Lalaki					
1. Romiseth M. Perez	✓		DENR-EMB FEMU Batangas	EMS II	09171927023		36.7
2. AR-MARIE CHARMINE P. MARAGAM	✓		CITY PLANNING & DEVELOPMENT OFFICE ZONING DIVISION	Designated ZOI	09062253441		36.2
3. ARCH. CARDELAN B. HERNANDEZ		✓	CITY PLANNING & DEVELOPMENT OFFICE ZONING DIVISION	Architect III	09266972080		36.2
4. RHODORA D. DE CHAVEZ	✓		KALIP1	OFFICER	09359307692		36.4
5. AILENE JHENE BERANIA	✓		BARANGAY COUNCILOR	BRGY. COUNCILOR	09455310274		36.6
6. Librada D. Fajiculan	✓		Kalipi President	President	09054025036		36.4
7. Robert M. Paraligan		✓	Brgy/ Kagawad	Brgy/ Kagawad	0915061764317		36.1
8. Jeany Rose D. Duda	✓		Brgy. Kagawad	Brgy. Kagawad	09369884323		36.5
9. HERMAN MAUBRAN		✓	Kagawad	Kagawad	09458361556		36.4
10. Loren P. Roxas	✓		Brgy. Sec.	Brgy. Sec.	09260872549		36.6

INFORMATION, EDUCATION AND COMMUNICATION CAMPAIGN MEETING

Proposed 1200 MW DUAL-FUEL POWER PLANT PROJECT

Brgy. Libjo and Malitam, Batangas City

Date: 05 July 2021 (Monday) | Time: 1:30PM – 2:30PM | Venue: Barangay Hall, Brgy. Malitam, Batangas City

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PANGALAN	KASARIAN (✓)		OPISINA/ ORGANISASYON	POSISYON	CONTACT NO.	LAGDA	TEMP.
	Babae	Lalaki					
11. GREGORIO DARELLA		✓		KAGAWAD	0922119765		36.3
12. JOHN LEO PANALIGAN		✓		OK CHAIRMAN	09171632877	Dr. J. Panaligan	36.5
13. MARTELO MARASIGAN		✓		BRGY CAPT	09663107359	Dr. J. Marasigan	36.5
14. Angeli Sipoy	✓		Ingrid3 Power Corp.		09178335107	Angeli Sipoy	36.5
15. MANUEL T. BUENAVENTURA		✓	INTEGRAL POWER		09175686241	Manuel T. Buenaventura	36.5
16. Jerickson M. Caguite		✓	LCI Envi Corp.	Project Officer	09369119043	Jerickson M. Caguite	36.2
17. Lester Abando		✓	LCI Envi Corp.	Project Officer	0977806846	Lester Abando	36.4
18.							
19.							
20.							

Attachment 4

INITIAL PERCEPTION SURVEY FORM TEMPLATE

INGRID3 POWER CORP.

PROPOSED 1200 MW DUAL-FUEL POWER PLANT PROJECT

BARANGAY LIBJO AND MALITAM, BATANGAS CITY

CONTROL NO.:	
DATE:	
TIME:	

INITIAL PERCEPTION SURVEY

Proyekto ng **“1200 MW Dual-Fuel Power Plant Project”** ng Ingrid3 Power Corp.
Barangay Libjo and Malitam, Batangas City

IMPORMASYON TUNGKOL SA RESPONDENT

TIRAHAN			
	<i>Kalye</i>	<i>Purok</i>	<i>Barangay</i>
1.PANGALAN (opsyonal)			
2.KASARIAN	<input type="checkbox"/> Lalaki	<input type="checkbox"/> Babae	EDAD <input type="text"/>
3.ORGANISASYON			
4.POSISYON			
5.KALAGAYANG SIBIL	<input type="checkbox"/> Walang Asawa <input type="checkbox"/> Iba pa: <input type="checkbox"/> May Asawa <input type="checkbox"/> Hiwalay sa Asawa <input type="checkbox"/> Balo		
6.RELIHIYON	<input type="checkbox"/> Katoliko <input type="checkbox"/> Iba pa: <input type="checkbox"/> Iglesia Ni Cristo <input type="checkbox"/> Born Again Christian <input type="checkbox"/> Seventh Day Adventist		
7.EDUKASYON (pinakamataas na naabot)	<input type="checkbox"/> Elementarya <input type="checkbox"/> Iba pa: <input type="checkbox"/> Hayskul <input type="checkbox"/> Kolehiyo <input type="checkbox"/> Bokasyonal		
8.TAGAL NG PANINIRAHAN SA BARANGAY	<input type="checkbox"/> 1 – 2 taon <input type="checkbox"/> Iba pa: <input type="checkbox"/> 3 – 4 taon <input type="checkbox"/> 5 – 10 taon <input type="checkbox"/> Higit pa sa 10 taon		
9.TRABAHO O PANGKABUHAYAN	<input type="checkbox"/> Barangay Official <input type="checkbox"/> Sariling Negosyo <input type="checkbox"/> Government Employee <i>Uri ng negosyo:</i> _____ <input type="checkbox"/> Private Employee <input type="checkbox"/> Laborer/Contractor <input type="checkbox"/> Iba pa: _____ <input type="checkbox"/> Tricycle/Jeepney Driver <input type="checkbox"/> Magsasaka <input type="checkbox"/> Mangangisda		
10.BUWANANG KITA	<input type="checkbox"/> 0 – 5,000 PHP <input type="checkbox"/> 15,001 – 20,000 PHP <input type="checkbox"/> 5,001 – 10,000 PHP <input type="checkbox"/> Higit pa sa 20,000 PHP <input type="checkbox"/> 10,001 – 15,000 PHP		

(MAGPATULOY SA SUSUNOD NA PAHINA)

KAALAMAN AT PANANAW TUNGKOL SA PROYEKTO

11	Alam ba ninyo na may planong magtayo ng isang <i>power plant</i> sa inyong barangay?	<input type="checkbox"/> Oo	<input type="checkbox"/> Hindi (Lumaktaw sa 3)
12	Kung oo, saan ninyo nakuha ang kaalaman tungkol sa nabanggit na proyekto?	<input type="checkbox"/> Opisyal ng barangay/munisipyo <input type="checkbox"/> Pulong tungkol sa proyekto <input type="checkbox"/> Proponent ng proyekto <input type="checkbox"/> Ahensya ng gobyerno Tukuyin: _____ <input type="checkbox"/> Iba pa: _____	
13	Sa inyong palagay, makabubuti ba ang proyektong ito sa inyong pamayanan?	<input type="checkbox"/> Oo <input type="checkbox"/> Hindi <input type="checkbox"/> Hindi ko pa alam sa ngayon <input type="checkbox"/> Iba pa: _____	
14	Sa inyong palagay, anu-ano ang positibong bagay ang maidudulot ng proyektong ito sa inyo, sa inyong barangay, at sa kalikasan	<input type="checkbox"/> Karagdagan trabaho <input type="checkbox"/> Oportunidad sa mga negosyo sa Barangay Libjo at Malitam <input type="checkbox"/> Karagdagang buwis sa Barangay Libjo at Malitam at lungsod ng Batangas City <input type="checkbox"/> Iba pa: _____	
15	Sa inyong palagay, anu-ano ang negatibong bagay ang maidudulot ng proyektong ito sa inyo, sa inyong pamayanan, at sa kalikasan?	<input type="checkbox"/> Polusyon sa hangin <input type="checkbox"/> Ingay sa paligid <input type="checkbox"/> Polusyon sa tubig <input type="checkbox"/> Karagdagang basura <input type="checkbox"/> Polusyon sa lupa	
16	Anu-ano pa ang nais ninyong ipabatid o ipagbigay-alam sa proponent ng proyekto?	<input type="checkbox"/> Pag-iwas sa polusyon <input type="checkbox"/> Pangangalaga ng kapaligiran lalo na ang law <input type="checkbox"/> Karagdagang proyekto para sa barangay <input type="checkbox"/> Iba pa: _____	

MARAMING SALAMAT PO!