



Conal Holdings Corporation

# PROJECT DESCRIPTION FOR SCOPING

95.2 MW In Island Baseload Power Plant Project ECC  
Acquisition

Barangay Imelda, Ubay, Bohol

Version : 1.0  
Date : 06-Apr-2022  
Prepared by : GreenDevelopment Sustainable Solutions, Inc.

## Document Information

<b>Title</b>	<b>Project Description for Scoping (PDS)</b>
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## Version History

Version	Description	Date Released
1.0	Final	06-Apr-2022

## Quality Information

Version	Prepared / Revised by	Reviewed	Approved	Date Approved
1.0	LRM Dar RD Entienza NN Delos Santos	JT Magdato	JJA Abella	

## Distribution List

Version	No. Hard Copies	Agency / Company	Date Distributed
1.0	0	DENR-EMB Central Office	06-Apr-2022

**EIA COVERAGE & REQUIREMENT SCREENING CHECKLIST (ECRSC)**

**Purposes of the Screening Checklist:**

1. Self-Screening Form by the Proponent (unofficial, for guidance purposes)
2. Screening Validation Form by the EMB (official; signed copy may be transmitted to banks, economic/industrial zone administrators, other users who request EMB validation, or any entity EMB may want to inform)
3. Site Inspection Report Form by the EMB for ECC/CNC applications
4. Site Inspection Report Form by the EMB for suspected or reported projects operating without ECC

A. SCREENING FOR EIA COVERAGE AND REQUIREMENTS	
1. Purpose of Screening	Proponent Self-Screening for <input checked="" type="checkbox"/> <b>ECC</b> , <input type="checkbox"/> CNC, <input type="checkbox"/> ECC Amendment
2. Project Name	92.5 MW In Island Baseload Power Plant Project
3. Project Location	Brgy. Imelda, Ubay, Bohol
4. Proponent Name	Conal Holdings Corporation
Proponent Address	4th Floor, League One, Inc., Southgate Tower 2258 Chino Roces Avenue cor. EDSA, Makati City 1232
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Proponent Means of Contact	Phone Number: +639055177682 Email Address: npgalinato@alsonspower.com
5. EIS Consultant and Contact Information	GreenDevelopment Sustainable Solutions, Inc. 3F Unit 8, Arcade 1 Bldg., 68 Don Alejandro Roces Ave, Quezon City Tel. Nos. (02) 8362 4933; email: <a href="mailto:info@greendevsolutions.com">info@greendevsolutions.com</a>
10. Project's Component & Categorization	
12. Project Group based on Type of Threshold Only	Single Project: <input checked="" type="checkbox"/> <b>Group 1 (ECP in ECA/NECA)</b> <input type="checkbox"/> Group II (NECP in ECA), <input type="checkbox"/> Group III (NECP in NECA) <input type="checkbox"/> Group IV (Co-located Project in ECA/NECA) <input type="checkbox"/> Group V (Unclassified Projects)
13. EIA Report Type	<input checked="" type="checkbox"/> <b>EIS</b> <input type="checkbox"/> PEIS <input type="checkbox"/> IEER <input type="checkbox"/> PDR <input type="checkbox"/> EPRMP <input type="checkbox"/> PEPRMP <input type="checkbox"/> IEEC <input type="checkbox"/> Letter Request
17. Processing/ Endorsing Authority	<input type="checkbox"/> EMB CO Director <input checked="" type="checkbox"/> <b>EIAMD Chief</b> <i>Refer to Table 3</i>
18. Application Deciding Authority	<input type="checkbox"/> EMB RO Director <input checked="" type="checkbox"/> <b>EMB CO Director</b> <input type="checkbox"/> DENR Secretary
SIGN-OFF PAGE FOR PROJECT PROPONENT	
Project Proponent	Date of Signing
Received by EMB: Signature over Printed Name	Date of Receipt:
Remarks by EMB	
SIGN-OFF PAGE FOR EMB (For Purposes #2,3,4)	
Prepared by EMB Regional Office: Signature over Printed Name	Date of Signing
Remarks by EMB Regional Office	
Remarks by EMB Central Office	

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## 1. BASIC PROJECT INFORMATION

### 1.1. Project Information

Project Name	95.2 MW In Island Baseload Power Plant
Project Location	Brgy. Imelda, Ubay, Bohol
Project Type	Diesel Power Plant
Project Capacity	Installed Capacity: 95.2 MW Dependable Capacity: 83 MW
Project Area	Approximately 4.2 hectares
Connection to Grid	NGCP Ubay Substation
Total Initial Project Cost	EPC Cost = PHP 1,538,051,000.00 Non-EPC Cost = PHP 244,478,000.00 O&M Cost = PHP 91,411,814.55 per annum

### 1.2. Profile of the Proponent

Name of Proponent	Conal Holdings Corporation
Proponent's Address	4th Floor, League One, Inc., Southgate Tower 2258 Chino Roces Avenue cor. EDSA, Makati City 1232
Authorized Signatory / Representative	Noel Galinato – Project Manager
Contact Person / Position	Edgar Bonayon – Permitting Officer
Contact Information	0917 128 1892

- <sup>1</sup> Conal Holdings Corporation (CHC), the “Proponent”, is a publicly listed holding company of all Alsons Power Group assets and has interests in the power generation, power distribution, and energy solutions industries. The 95.2 MW In Island Baseload Power Plant is sponsored by Conal Holdings Corporation, which is a wholly-owned subsidiary of Alsons Power Group.
- <sup>2</sup> With the Philippines’ increasing demand for electricity, particularly due to the demographic and economic growth of the country, Alsons Power’s business development vehicle for new power generation and other power related projects of Conal Holdings Corporation.

### 1.3. Reference and Guidelines for the EIA Study

- <sup>3</sup> The primary reference and guideline in undertaking this Environmental Impact Assessment (EIA) study are the DENR AO 2003-30 (Implementing Rules and Regulations of the Philippine Environmental Impact Statement System), which follows the recommended format and outline for the contents of the said manual.
- <sup>4</sup> Scoping is the stage in the EIS System where information and project impact assessment requirements are established to provide the Proponent and the stakeholders the scope of works and terms of reference for the EIS. Scoping sessions and consultations with EMB and the Review Committee and resource persons will take place at the EIA level, respectively, which will provide essential inputs and context for identifying and assessing environmental impacts and the drafting of the Project’s environmental management plan.

## 1.4. EIA Project Categorization

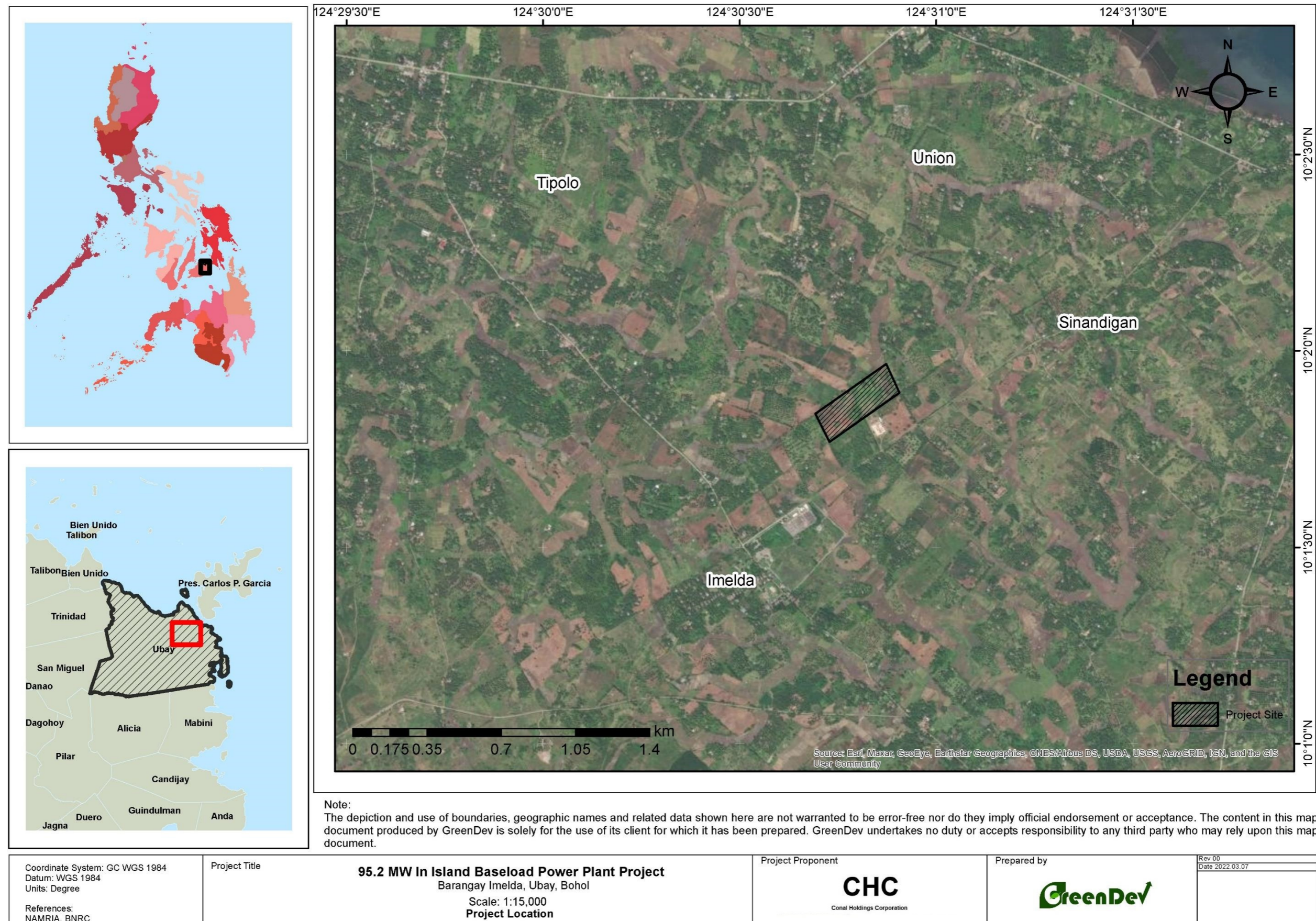
- <sup>5</sup> Under the EMB MC 2014-005 (Revised Screening Guidelines for Coverage Screening and Standardized Requirements under the Philippine Environmental Impact Statement System), the Project is classified in Category A - defined as Environmentally Critical Project (ECP) to be processed in the EMB Central Office (Other Thermal Power Plants Category A EIS Threshold:  $\geq$  30MW). The ECC application requires the conduct of the Environmental Impact Assessment (EIA) study and preparation of an Environmental Impact Statement (EIS).

## 2. PROJECT DESCRIPTION

- <sup>6</sup> CHC will be developing a diesel power project in Barangay Imelda, Ubay, Bohol, which has an installed capacity of 95.2 MW. The Project will be connected to the electricity grid through a 138kV transmission line connecting to the NGCP Ubay Substation.
- <sup>7</sup> The Project shall cover the municipality of Ubay, Bohol. A list of the host barangays is provided in **Table 2-1**. Other project details are reflected in.. The vicinity map of the proposed Project is shown in **Figure 2-2**.

**Table 2-1. List of Host Barangays**

Municipality	Barangay
<b>A. Direct Impact Area/s</b>	
Ubay, Bohol	Imelda
<b>B. Indirect Impact Areas</b>	
Ubay, Bohol	Tipolo
Ubay, Bohol	Union
Ubay, Bohol	Sinandigan



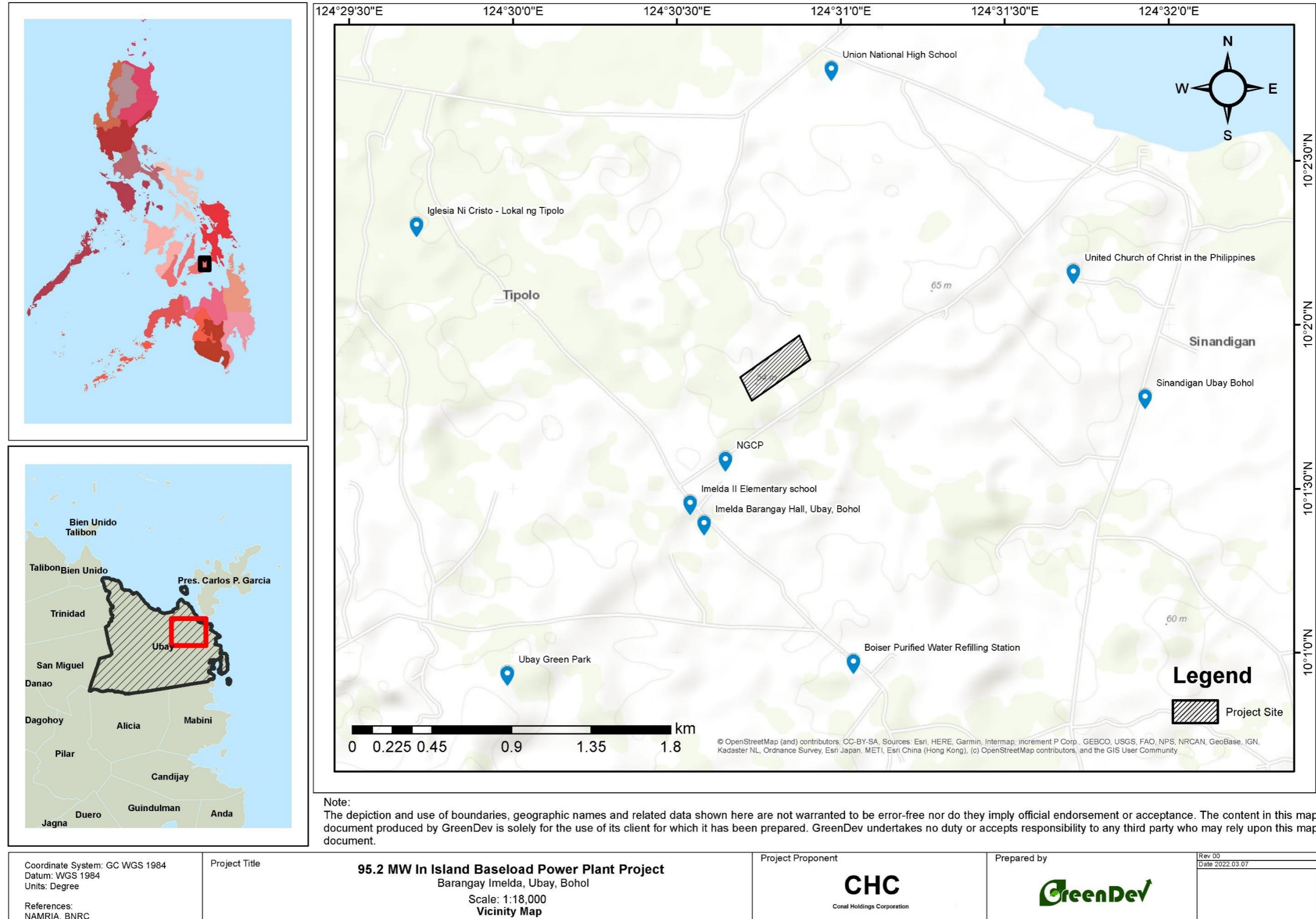
**Figure 2-1. Project Location Map**

## 2.1. Project Rationale

- <sup>8</sup> The proposed project aims to develop a 95.2 MW diesel power plant in Barangay Imelda, Ubay, Bohol. In order to comply with the 100% dependable capacity requirement as indicated in the Terms of Reference of the One Bohol Joint Distribution Utilities Competitive Selection Process, the capacity of the in island baseload (backup) power plant will be the same as the contracted capacity of the power supply.
- <sup>9</sup> This will be the combined capacities of BOHECO I, BOHECO II and BLCI that will start at 50MW by 2024 up to 83MW by 2033. The In Island Baseload Power Plant will be using Mix HFO and Diesel as fuel. The capacity of the In Island Baseload Power Plant (back up) will be the same as the contracted capacity of the baseload main power supply.

**Table 2-2. Committed Baseload Demand (MW) For Procurement (2024-2033)**

Year	BOHECO I	BOHECO II	BLCI	Total
2024	26	12	12	50
2025	28	14	12	54
2026	44	16	12	72
2027	46	17	13	76
2028	48	18	13	79
2029	50	18	13	81
2030	50	18	14	82
2031	50	18	14	82
2032	50	18	14	82
2033	50	18	15	83



**Figure 2-2. Project Vicinity Map**

## 2.2. Project Alternatives

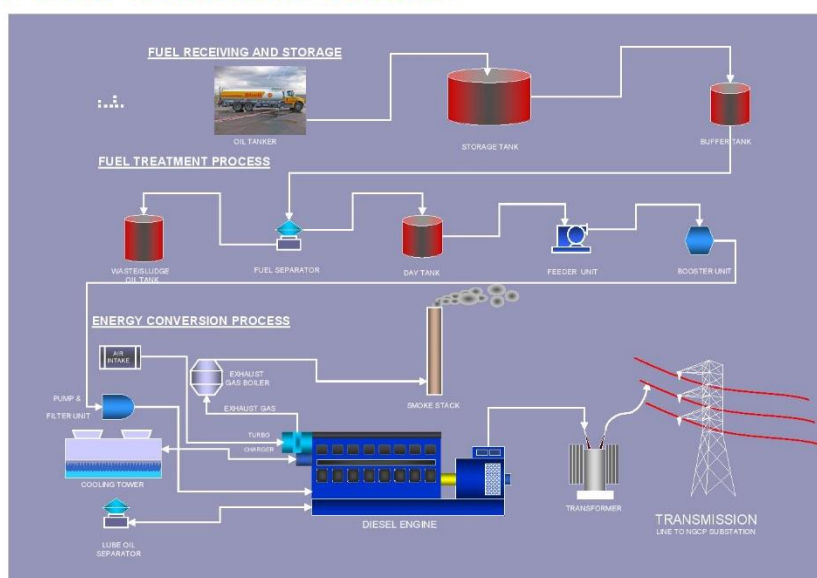
### 2.2.1. Technology Selection

- <sup>10</sup> To comply with the RA 8749 “Clean Air Act”, a Low Sulfur Fuel shall be used to comply with mandated sulfur emission limit. Also an alternative use of fuel additives available in the market is also one option for the compliance.

## 2.3. Power Plant Operations

- <sup>11</sup> The Plant's operation is the conversion from chemical energy to mechanical energy using the principle of Internal Combustion Engine (ICE) then into electricity. The process starts from the fuel delivery to conversion of mechanical energy to electricity (see **Figure 2-3**).

### Power Generation Process



**Figure 2-3. Power Generation Process**

## 2.4. Project Components

### 2.4.1. Project Layout

- <sup>12</sup> The CHC DPP proposed power plant layout is shown in **Figure 2-4**. The Project is primarily composed of the diesel generating system, exhaust gas system, instrumentation and control, fuel system, lube oil system, cooling water system, service water system, steam heating system, oily water system and sewerage treatment plant, noise suppression system, and fire protection system.

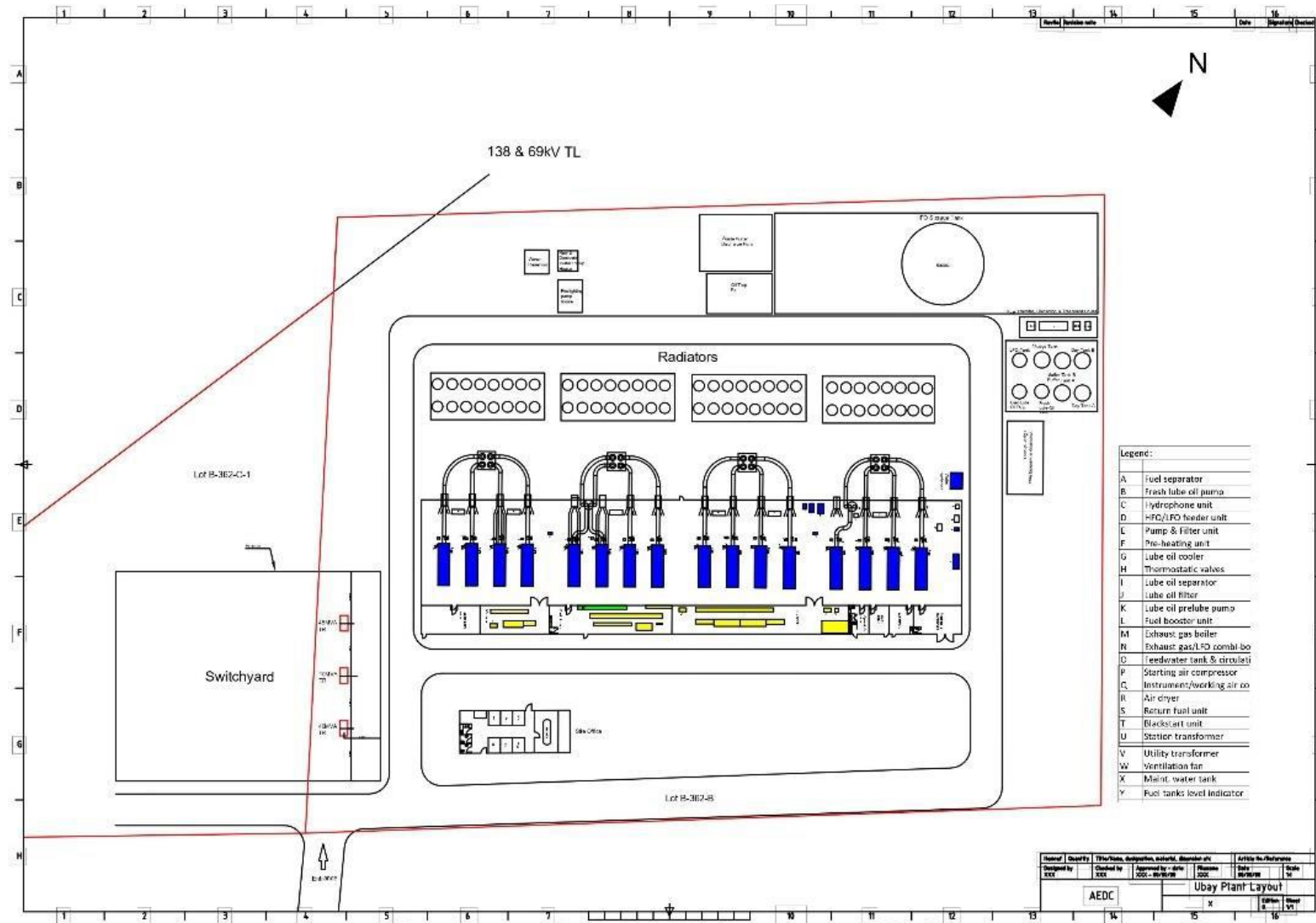


Figure 2-4. Proposed CHC DPP Power Plant Layout

## 2.4.2. Main Components and Auxiliary Facilities

<sup>13</sup> Below are some of the main components and auxiliary facilities of the power plant to be built.

**Table 2-3. General Project Components**

Particulars		Description / Components
1	<b>Installed Capacity</b>	95.2 MW
2	<b>Dependable Capacity</b>	83 MW
3	<b>Diesel Generator</b>	12 units, 5.800MW, 16V32 Vaasa Wartsila 4 units, 6.400MW, 18V32 Vaasa Wartsila
4	<b>Generator Voltage</b>	13.8 kV, 3 phase, 60Hz, 0.8PF lagging
5	<b>Plant Low Voltage</b>	480/240 Volts, 3phase, 60Hz, 0.8PF lagging
6	<b>Plant HV Switchyard</b>	1X45 MVA Step-up Transformer 2X40 MVA Step-up Transformer
7	<b>Interconnection System / Switching Station</b>	The plant point-to-point interconnection to NGCP grid system: 138kV, 60Hz, 0.8PF lagging.  Transmission Line: 1.0 km 138kV, Single Circuit  Will be connected to 138kV Ubay Substation of NGCP, located in Brgy. Imelda, Ubay, Bohol
8	<b>Type of fuel/source/delivery/storage</b>	Industrial Fuel Oil (IFO) 180 / Light Fuel Oil (Diesel). The IFO/LFO will be sourced from Cebu (main supply) and in Cagayan De Oro (back-up). Fuels will be delivered to the Plant by truck lorries via fuel barges.  Fuel storage is 5,000kL, steel tank
9	<b>Cooling Water / Method</b>	River or well water / Radiator
10	<b>Heating System</b>	Steam tracing system
11	<b>Environmental</b>	Emission and Noise standard limits as per Philippine Environmental Standard
12	<b>Standard / Codes</b>	Local Standard: Latest PGC, PEC, NGCP and other Philippine standard & code.  International Standard: Latest IEC, ISO, ANSI, ASTM, or with such standard equal or superior.
13	<b>Substation</b>	NGCP Ubay Substation

- **Diesel Generating Set.** The main prime mover which is coupled by an electrical generator to produce electricity.
- **Exhaust Gas System.** The exhaust system consists of the exhaust ducting, exhaust gas silencer completes with spark/lighting arrestor. During combustion, exhaust gasses are produce which passes through an exhaust ducting prior to release in the atmosphere thru a smoke stack.
- **Smoke Stack.** All Engines has their individual 40 meters high Smoke Stack connected through ducting. The purpose of this stack is to dispose of the exhaust gasses properly enough in the atmosphere to assimilate the pollutants naturally.
- **Step-up Transformers.** The Plant will have three (3) step-up transformers: 1 x 45 MVA Step-up Transformer and 2 x 40 MVA Step-up Transformers. The Step-up transformers will increase the Generator from 13.8 kV to 138 kV and will be located in the Plant 138kV

Switchyard. The Step-up transformers are for outdoor use, oil-immersed, complete with diaphragm type conservator and no-load voltage tap-changer.

- **Equipment / Operator Room.** A concrete housing shall be constructed for the AC/DC panels, control room, and operator console. All of the areas shall be air-conditioned using an inverter-type ACU with a size appropriate for the floor area considered. The concrete housing must also have a small sleeping quarter, water supply, toilet & bath, and deep-well pump.
- The diesel generators shall have separate concrete housing. The diesel generators shall have concrete foundations that are isolated from the main foundation of the housing and shall have an oil spill containment system. The housing shall be well ventilated and comply with any technical standard related to generator housing.
- **Instrumentation and Control.** The proposed Project will be connected to a central PLC, and SCADA SYSTEM that will automate all equipment controls and protections for Plant start/stop, load management, and operational requirements for meeting regulating and contingency mode protocol.
- **Fuel System.** The fuel system consists of fuel storage tanks, buffer tanks, service tanks, fuel treatment systems, return fuel systems, and sludge systems. The fuel storage tanks shall be installed outside with bund walls constructed sufficient to isolate the contents of the biggest tank for any leakage caused by tank cracks or damages.
- The fuel treatment system should comprise a settling tank and separators to supply the engine(s) with sufficient clean fuel. Dirty sludge from the separators is pumped into the station sludge tank. Un-burned clean fuel from the engine is returned to the buffer tanks.
- **Lube Oil System.** The lube oil system consists of the system oil tank, lubricating oil pump, pre-lubricating oil pump, lube oil treatment system, lube oil cooling system, and used lube oil tank. The lubricating oil pump is a direct driven pump connected to the engine crankshaft. This is a gear type of pump. The pump is dimensioned to provide sufficient flow even at low speeds and is equipped with an overflow valve which is controlled from the oil pressure in the inlet pipe.
- **Cooling Water System.** The cooling system for the engine consists of a low-temperature (LT) cooling system, which cools the charge air and the lube oil, and the high temperature (HT) cooling system, which cools the turbocharger and cylinder heads. Also, the pre-heating unit gives sufficient heating for the engine and the lube oil to start smoothly during operation. The cooling water system shall use radiator system as the main heat exchanger of the required temperature in the cooling system of the plant.
- **Service Water System.** The proposed Project will have a service water system for the fabrication shop for maintenance purposes. Also, a domestic line shall be provided to all facilities such as admin, canteen area, etc.
- **Steam Heating System.** Steam is produced by steam generators or boilers. There shall be installed two (2) boilers, one (1) is a pure exhaust gas boiler, which utilizes the exhaust gases from the engines as its fuel, and two (2) is a combined diesel-fired and exhaust gas type. The latter can be fired with diesel fuel when the Plant is totally on standby, which means there is no exhaust gas yet and then fired continuously with the available exhaust gas.
- **Oily Water System and Sewage Treatment Plant.** The oily water system consists of the station sludge tank, oil/water trap pit, including oil/water separator and related equipment, wastewater pond, and sewage treatment plant. The oil/water trap pit is a sludge/oil trap that

consists of several separator chambers in series. The sewage treatment plant shall be installed in order to treat the domestic wastewater and remove the inorganic and organic materials in it before it can be released to the environment.

- **Noise Suppression System.** The powerhouse and other structures which give out louder noise or beyond regulatory standard noise values will be enclosed in a noise suppression system consisting of a double-walled structure and with isolation materials in-between.
- **Fire Protection System.** A firefighting system shall be installed through a fire hydrant system that will cover the Power House, Fuel Tank Farm, and other structures. Fire extinguishers shall be installed in the Control Room, HV/LV Switch Gear Room, Engines Power House, and other building structures.

## 2.5. Project Development Plan

<sup>14</sup> The following items outline the project phases for the proposed CHC DPP.

### 2.5.1. Pre-Construction Phase

- <sup>15</sup> **Pre-Development.** This stage consists of initiation and planning, which involves the table study stage, site investigation stage, preliminary study stage, and feasibility study stage. Moreover, the said stages involve site reconnaissance and investigation, engineering surveys, environmental impact assessment studies, consultation with the project stakeholders through FPIC, negotiations for appropriate agreements, permits, approvals, memorandum of agreement, and other legal requirements for the finalization or perfection of the agreement or contract for the implementation of the Project. Acquisition of the land and right-of-way (ROW) is also included for transmission line and access road to the plant premises.
- <sup>16</sup> **Development.** This stage consists of detailed engineering, preparation of bid/tender documents for both civil works and equipment/machinery, which includes Tendering and Contracting Requirements, General and Special Conditions of Contract, Technical Specifications, Engineering Plans/Drawings, and Bill of Quantities.

### 2.5.2. Construction Phase

- <sup>17</sup> This stage consists of the procurement of equipment, machinery, and construction materials for the Project. Moreover, site development and related power structures and facilities shall be constructed. Delivery of the equipment and plant machinery, which includes installation, will also be scheduled in this phase. The construction-related activities that will be performed are as follows: Mobilization of construction equipment, construction of components and structures of the Project, testing and commissioning, demobilization, and site clean-up.

### 2.5.3. Operations and Maintenance Phase

- <sup>18</sup> This phase shall be considered as the operational stage of the In-Island Baseload Power Plant facility. The power plant is expected to generate electricity for an estimated ten (10) years contract with EDC. All activities about the operational stage will focus on efficient operation and maintenance of the prime movers and their auxiliaries, including the power plant facilities, which translate to environmental compliance with respect to the pollutants limit set by the DENR-EMB regulations.
- <sup>19</sup> Moreover, this also includes the following: Landscaping and planting of trees which abate noise pollutants in the adjacent vicinity, new long term jobs will be created in which qualified residents will be given priority, protected area management in coordination with LGU and DENR/CENRO, stakeholder management, and safety, health and environmental management within the facility. The plant management also can engage our LGU and Government Agencies a MOA such as Adopt

A Water Body, Reforestation Program to protect water shade areas in the Ubay Bohol thru Management Community Social Responsibility (CSR) / COMREL, etc.

#### 2.5.4. Abandonment Phase

- <sup>20</sup> The 95.2 MW In Island Baseload Power Plant will have an estimated operating life of at least thirty (30) years. This is a conservative assumption as properly designed, operated, and maintained Diesel Power Plants are able to reach Fifty (50) years of service. Decommissioning shall only be initiated upon the termination of the Environmental Compliance Certificates (ECC). The procedure shall follow the condition stipulated in the ECC. Facilities may be decommissioned after ten years of operation when the contract expire but it is still subject to the present electrical load requirement of Bohol Island.

## 2.6. Implementation Schedule

- <sup>21</sup> Construction is expected to start in August 2022 and shall last for about 21 months. Operation and maintenance of the power facilities are expected to last for at least 30 years, starting from May of 2024. CHC shall be responsible for the management of the DPP's commercial operation.

**Table 2-4. Project Construction Timeline**

Preliminary Construction Schedule		Start	End
CHC DPP	Approx. Duration, Months		
Execution	21 Months	August 2022	May 2024

## 2.7. Manpower Requirements

- <sup>22</sup> The estimated manpower requirement is expected to be around 36 during operation phase, which includes but not limited to power plant manager, safety and environmental engineer, control operators, technicians, and administrative staff. The manpower would include both contractors and subcontractors. Preference to qualified residents shall be given for the new long-term employment that will be made. For the duration of the construction phase, the personnel shall set up temporary shelters, which will then be removed after the completion of the Project. Likewise, security personnel will also be employed to ensure the safety and security of the personnel involved in the Project.

## 2.8. Financial Projections

- <sup>23</sup> The proposed CHC Diesel Power Project shall have a total installed capacity of 95.2 MW (in island baseload). The project cost is divided into three sections, Engineering Procurement Construction (EPC) cost, Non-EPC cost, and Operation and Maintenance (O&M) cost.
- <sup>24</sup> The total EPC cost would be PHP 1,538,051,000.00. This includes civil works such as site development, installation, testing, and commissioning. For Non-EPC costs, the total would be PHP 244,478,000.00. This includes fuel and lubrication oil commissioning, project development and implementation cost, and project site/land acquisition. Lastly, the total O&M cost would be PHP 91,411,814.55 per annum, which includes direct labor and consumables cost, and administration cost.

### 3. PRELIMINARY IDENTIFICATION OF ENVIRONMENTAL IMPACTS

- 25 **Existing land use and encroachment in ECAs** – As of writing, there are no Environmentally Critical Areas (ECAs) identified within the immediate vicinity of the project site, thus the Project will not encroach into an environmentally critical area.
- 26 **Potential impacts on the geology** – For the construction phase, there is a perceived change in the surface landform, terrain, and slope. This shall be mitigated by implementing the proper grading plan.
- 27 Likewise, it is expected that sub-surface underground geomorphology would be altered. However, the excavations would be based on compliance of the stated recommendations in the geotechnical study.
- 28 **Potential impacts on the host communities** – The construction and operations phases can potentially affect the host communities due to the changes in the specified project location. However, these were considered in the sustainability and development plan of the Project, which similarly benefits the said group.
- 29 **Potential impacts on terrestrial wildlife** – The proposed project site for the diesel power project entails no ecologically sensitive habitats, such as protected areas, mangroves, etc. Similarly, the perceived vegetation removal and habitat loss in the area is minimal. A tree cutting permit will be acquired from DENR to proceed with possible tree cutting activities during the construction phase.
- 30 **Potential impacts on water quality** - Aside from temporary siltation during the pre-construction and construction phases, the Project is not expected to have major impacts on water quality in the project site and vicinity. Siltation during the pre-construction and operation phases will be caused by site preparation and earth moving activities. Strict compliance with the waste management plan shall also be implemented.
- 31 Wastewater from the construction camp will also be a potential threat to receiving water bodies. However, this impact is not considered significant, as the camp will be provided with septic tanks or portable toilets. During operation the impact of waste water effluent to the environment is very minimal because we will use radiator system in our cooling requirement.
- 32 **Potential impacts on air quality and noise** - During the construction stage, dust and noise are the primary sources of a nuisance, especially for settlements located near the construction site, such as Brgy. Imelda, Brgy. Tipolo, Brgy. Union, and Brgy. Sinandigan.
- 33 The main source of dust is the excavation activities and the hauling of construction materials. Uncovered stockpiles of construction materials can also generate dust that can be a nuisance to nearby communities.
- 34 The main source of noise during construction is the use of construction equipment. However, since the project site will have its access road for the construction vehicles, dust accumulation and noise have an insignificant impact on the neighboring communities. Likewise, construction will only be conducted during the daytime and will be avoided during the night as much as possible.
- 35 During the operational phase, CHC shall conduct ambient air quality monitoring and emissions testing to properly monitor and implement possible mitigating measures for the preservation of the air quality in the project site.
- 36 **Safety and public health hazards** – Paramount to the Diesel Power Project is the health and safety of the general public. Several measures will be observed to meet this objective. During the construction phase, the company will require the strict implementation of standard safety measures to protect workers from accidents under existing legislation and regulations. Meanwhile, during the operations stage, safety protocols and precautions will be continuously observed.

- 37 **Impact on traffic situation** - There will be minimal effect on the traffic situation in the area as there are no settlements on the proposed project site. This indicates that there will be insignificant changes with regards to traffic.
- 38 **Local Benefits** – Diesel power plant construction will generate employment opportunities through direct employment. It will create job opportunities for locals during the stages of construction and operations. The employment generation excludes businesses and jobs to be created indirectly attributed to the Project. Businesses may include small enterprises, restaurants, and logistics.
- 39 **Local Businesses** – The establishment of the DPP will boost the local, small, and medium enterprises, the latter being the ones that provide supplies, materials, and equipment as some common materials needed for the construction and maintenance will be sourced from this community. Furthermore, due to the spending power that will be created by the generation of numerous jobs of this diesel power project, local businesses will flourish and be encouraged.
- 40 **ER 1-94** – Under DOE Energy Regulation 1-94, as amended, a financial gain will be granted to the host community of the diesel power project. The economic benefit is equivalent to Php 0.01 per kWh of electricity sales by the facility. This benefit will be allocated to the electrification, development and livelihood, reforestation, watershed management, health, and environmental enhancement funds.

### 3.1. Preliminarily Identified Impact Areas

- 41 The study areas for the proposed Project will consider both the direct and indirect impact areas. The delineation of the preliminary direct and indirect impact areas was based on the definition of these areas from the Revised Procedural Manual (DAO 2003-30) as follows:

*“a) **Direct impact area (DIA)** is initially delimited during the Pre-EIA Study Stage as the area where ALL project facilities are proposed to be constructed/situated and where all operations are proposed to be undertaken. For most projects, the DIA is equivalent to the total area applied for an ECC.*

*b) **Indirect Impact Area (IIA)** during the pre-EIA Study can only be assumed or qualitatively estimated but may be guided by secondary data and information from key interviews of reliable local authorities, e.g., Based on a NAMRIA topographic map, an IIA can be the stretch of the river/s OUTSIDE the project area but draining the project site which can potentially transport Total Suspended Solids and other discharges from the Project towards downstream communities.*

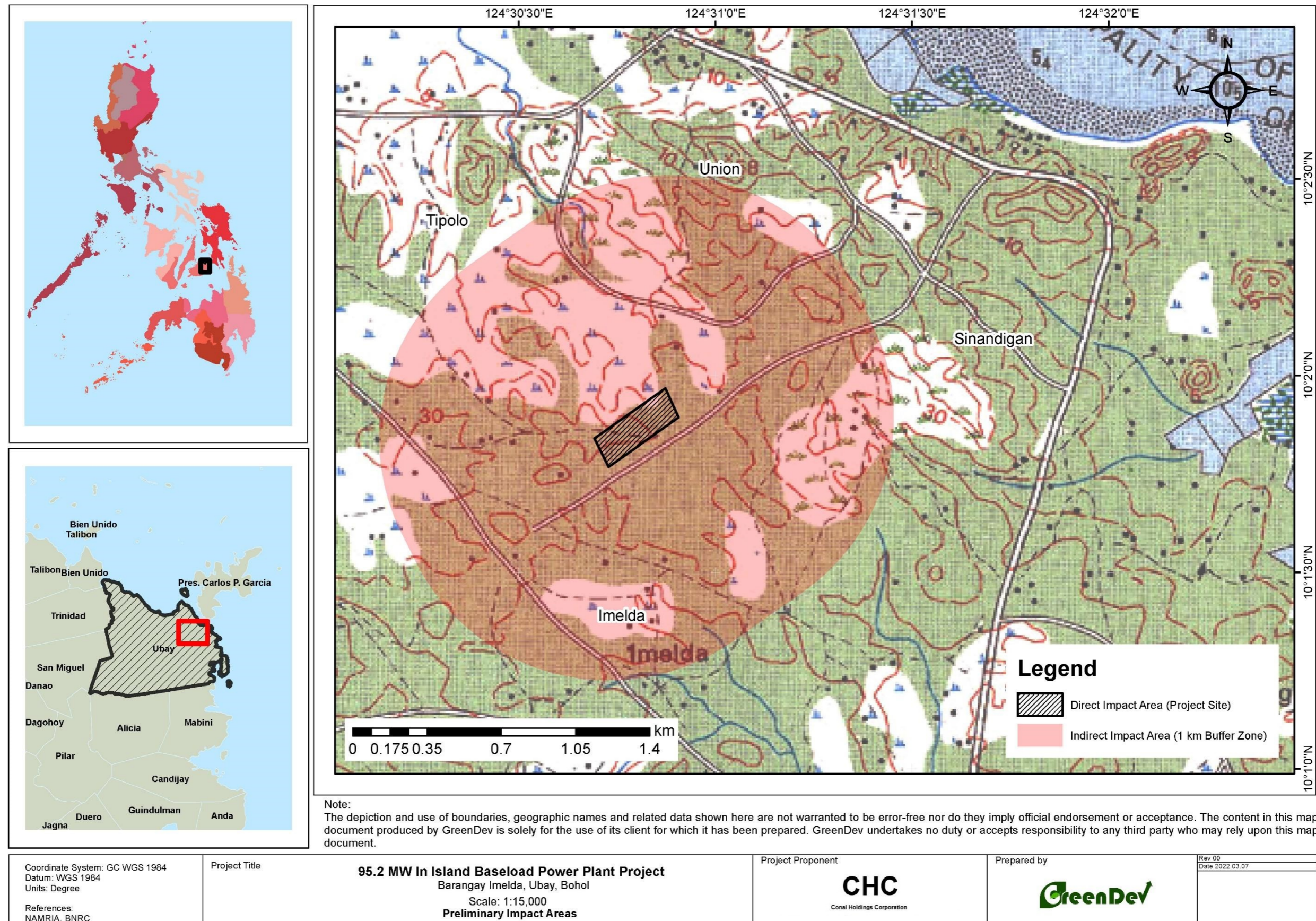
*c) On the other hand, the **Regional Impact Zone (RIZ)** pertains more to the general area where the impact of the Project would be felt, such as the entire municipality, province, or region.”*

- 42 As interpreted based on the Revised DAO 2003-03 and Section 10 of DAO 2017-15, **Figure 3-1** shows the preliminarily identified direct and indirect impact areas of the proposed Project.

- Direct Impact Area (DIA) – This shall cover the host barangays in **Table 1-A**. Most of the direct impacts are attributable to the construction, operational, and decommissioning phases such as:
  - Disturbances to vegetation, soil, water, and air quality
  - Noise generated by equipment and traffic movements
  - Public safety and hazards
  - Public amenity impacts
  - Pollution risks
- Indirect Impact Area (IIA) – The Indirect Impact Area (IIA) covers adjacent areas immediately outside of the primary impact area, mainly, those within the 500 to 1000 meters

radius from the plant site. The IIA is perceived to be affected by some residual effects of the Project during construction and operations, notably, noise, pollution, transportation impacts. However, the Project could have a positive social-economic effect due to employment and livelihood opportunities to residents of the host and surrounding barangays. This shall cover the host barangays in **Table 1**.

The delineation of impact areas shall be revised based on the results of the EIA Study.



**Figure 3-1. Preliminary Impact Areas**

#### 4. INFORMATION, EDUCATION, COMMUNICATION CAMPAIGN

- 43 As part of the social preparation process at pre-scoping, Information, Education, and Communication (IEC) are required before requesting a Public and Technical Scoping. IEC primarily identifies stakeholders and their related issues and concerns toward the Project for Scoping proper. Conal Holdings Corporation along with its consultant, GreenDevelopment Sustainable Solutions, Inc. has conducted an IEC campaign to the Project's host communities in Barangay Imelda, as well as indirect impact barangays Tipolo, Union and Sinandigan in Ubay, Bohol.
- 44 Barangay officials and locals (from each barangay) were tapped as the enumerators taking advantage of their superior knowledge of their communities and neighborhoods. The enumerators were gathered in each Baranggay, where the IEC campaign activities were held. These locals were oriented about the project description and trained on answering designed survey instrument, and were assigned to their respective barangays to avoid duplicity of respondents.
- 45 Various stakeholders consisting of barangay officials, landowners, and representatives from different sectors such as academe, youth sector, senior citizens, working-class group, and farmers community are targeted for this IEC campaign.
- 46 There are two (2) primary objectives of the conducted IEC, viz: (1) to inform the stakeholders about the proposed diesel power plant project in their community and the EIA process for this Project and (2) to gather concerns on related issues and comments and recommendations from the stakeholders.



**Figure 3-2. IEC and Perception Survey Documentation**

## 5. PERCEPTION SURVEY RESULTS AND ANALYSIS

<sup>47</sup> A perception survey was performed in the both direct and indirect impact barangays to determine the knowledge and sentiments of these communities towards the Project. The information, education, and communication (IEC) campaign activities were held last February 11, 2022, while the perception survey was held from February 12, 2022 to February 13, 2022. Barangay officials and locals were tapped as enumerators, taking advantage of their superior knowledge of their communities and neighborhoods.

<sup>48</sup> A total of 403 respondents were interviewed on a face-to-face and one-to-one basis to gather basic information about their households and their views on the proposed Project. Respondents were chosen in the following order of preference:

- Household head (who may be male or female but always a resident-household member who makes the major household decisions or is perceived to do so; the household head is usually the father but may also be the mother or the eldest child who is of majority age (18 years old);
- Spouse of the household head;
- Son or daughter who is at least 18 years old of the household head; or
- Other relatives who are at least 18 years old of the household head.

<sup>49</sup> In general, the survey aimed to develop an actual appreciation of the communities' perceived ideas on the Project and to serve as an avenue for the host communities to provide initial suggestions and recommendations to the project proponent.

### 5.1. Basic Demographic and Household Characteristics

#### 5.1.1. Distribution of Respondents

<sup>50</sup> Samples were taken from each purok or sitio of each host barangays to ensure that the survey would be as comprehensive as possible in terms of its reach. The preparers have used the Slovin's formula to calculate the total number of respondents and this has been evenly distributed to the 4 barangays..

**Table 3-1. Barangay Distribution of Respondents**

Barangay	Total Number of Households	Total Number of Sample
Imelda	433	77
Tipolo	571	123
Union	578	113
Sinandigan	480	90
<b>Total</b>	<b>2,062</b>	<b>403</b>

#### 5.1.2. Sex Classification of Respondents

<sup>51</sup> There were generally more females (56.08%) than males (43.92%) who were interviewed for the survey.

**Table 3-2. Sex Classification of Respondents**

Gender	Imelda	%	Tipolo	%	Union	%	Sinandigan	%
Female	54	70.13%	76	61.79%	54	47.79%	42	46.67%
Male	23	29.87%	47	38.21%	59	52.21%	48	53.33%
<b>Total</b>	<b>77</b>	<b>100%</b>	<b>123</b>	<b>100%</b>	<b>113</b>	<b>100%</b>	<b>90</b>	<b>100%</b>

## 5.2. Age Structure of Respondents

<sup>52</sup> In terms of age, most respondents from all barangays are within the age group of 25-64 (76.62% on Imelda; 87.80% on Tipolo; 78.76% on Union and; 83.33% on Sinandigan), as shown in **Table 3-3**. The least significant number of respondents were recorded within the youngest (15-24) and the eldest range (>65) at 9.09% for Imelda, 4.07% for Tipolo, 9.73% for Union and 14.44% for Sinandigan.

**Table 3-3. Age Structure of Respondents**

Age Group	Imelda	%	Tipolo	%	Union	%	Sinandigan	%
0-14	0	0.00%	0	0.00%	0	0.00%	0	0.00%
15-24	8	10.39%	8	6.50%	13	11.50%	2	2.22%
25-64	59	76.62%	108	87.80%	89	78.76%	75	83.33%
> 65	7	9.09%	5	4.07%	11	9.73%	13	14.44%
No response	3	3.90%	2	1.63%	0	0.00%	0	0.00%
<b>Total</b>	<b>77</b>	<b>100%</b>	<b>123</b>	<b>100%</b>	<b>113</b>	<b>100%</b>	<b>90</b>	<b>100%</b>

### 5.2.1. Civil Status

<sup>53</sup> The majority of the interviewed individuals in all barangays were married (50.65% - Imelda; 65.85% - Tipolo; 66.37% - Union and, 71.11% - Sinandigan). Only 3.03% present of the total respondents did not declare their civil status (**Table 3-4**).

**Table 3-4. Civil Status of Respondents**

Civil Status	Imelda	%	Tipolo	%	Union	%	Sinandigan	%
Single	16	20.78%	17	13.82%	11	9.73%	1	1.11%
Married	39	50.65%	81	65.85%	75	66.37%	64	71.11%
Widow	6	7.79%	10	8.13%	12	10.62%	8	8.89%
Separated	4	5.19%	1	0.81%	6	5.31%	0	0.00%
Common-law/ Live-in	12	15.58%	13	10.57%	9	7.96%	15	16.67%
No Response	0	0.00%	1	0.81%	0	0.00%	2	2.22%
<b>Total</b>	<b>77</b>	<b>100%</b>	<b>123</b>	<b>100%</b>	<b>113</b>	<b>100%</b>	<b>90</b>	<b>100%</b>

### 5.2.2. Highest Educational Attainment

<sup>54</sup> As presented in **Table 3-5** most of the respondents from the barangays were able to reach elementary and high school.

**Table 3-5. Highest Educational Attainment of the Respondents**

Highest Educational Attainment	Imelda	%	Tipolo	%	Union	%	Sinandigan	%
None	2	2.60%	0	0.00%	2	1.77%	2	2.22%
Elementary	18	23.38%	49	39.84%	35	30.97%	35	38.89%
High School	37	48.05%	64	52.03%	54	47.79%	43	47.78%
Vocational	4	5.19%	1	0.81%	2	1.77%	4	4.44%
College	16	20.78%	7	5.69%	16	14.16%	6	6.67%
Post Graduate	0	0.00%	2	1.63%	4	3.54%	0	0.00%
<b>Total</b>	<b>77</b>	<b>100%</b>	<b>123</b>	<b>100%</b>	<b>113</b>	<b>100%</b>	<b>90</b>	<b>100%</b>

### 5.3. Household and Community Concerns

<sup>55</sup> In all impact barangays, common household problems raised by the respondents are mostly focused on their socioeconomic condition such as:

- Lack of livelihood opportunities and sustainable sources of income
- Financial instability
- Power interruption (Typhoon Odette – due to recent events)
- COVID-19 Pandemic

### 5.4. Perceptions about the Project

#### 5.4.1. Project Awareness

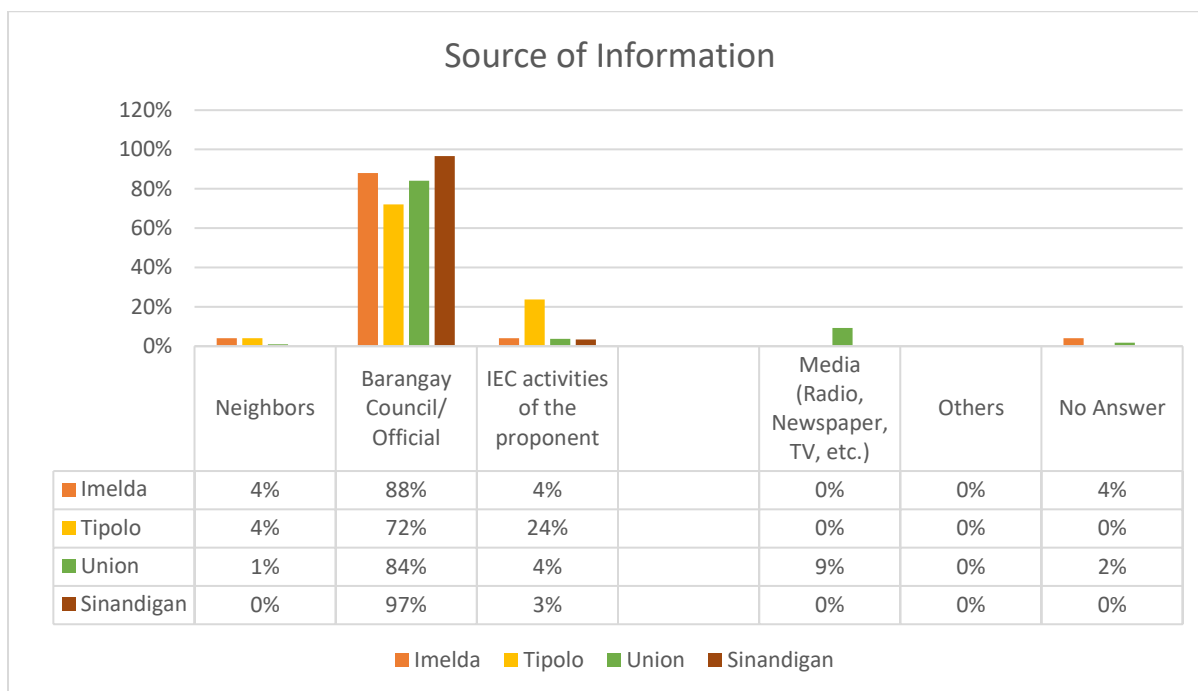
- 1 As revealed by the results, 86.35% of the respondents were informed of the Project. Almost 11% of the respondents from Imelda were unaware of it, as it is the area 1.24% of the total respondents are also unaware of the said Project.

**Table 3-6: Awareness of the Project**

Project Awareness	Imelda	%	Tipolo	%	Union	%	Sinandigan	%
Aware	69	89.61%	89	72.36%	102	90.27%	88	97.78%
Unaware	8	10.39%	31	25.20%	9	7.96%	2	2.22%
No response	0	0.00%	3	2.44%	2	1.77%	0	0.00%
<b>Total</b>	<b>77</b>	<b>100%</b>	<b>123</b>	<b>100%</b>	<b>113</b>	<b>100%</b>	<b>90</b>	<b>100%</b>

#### 5.4.2. Source of Project Information

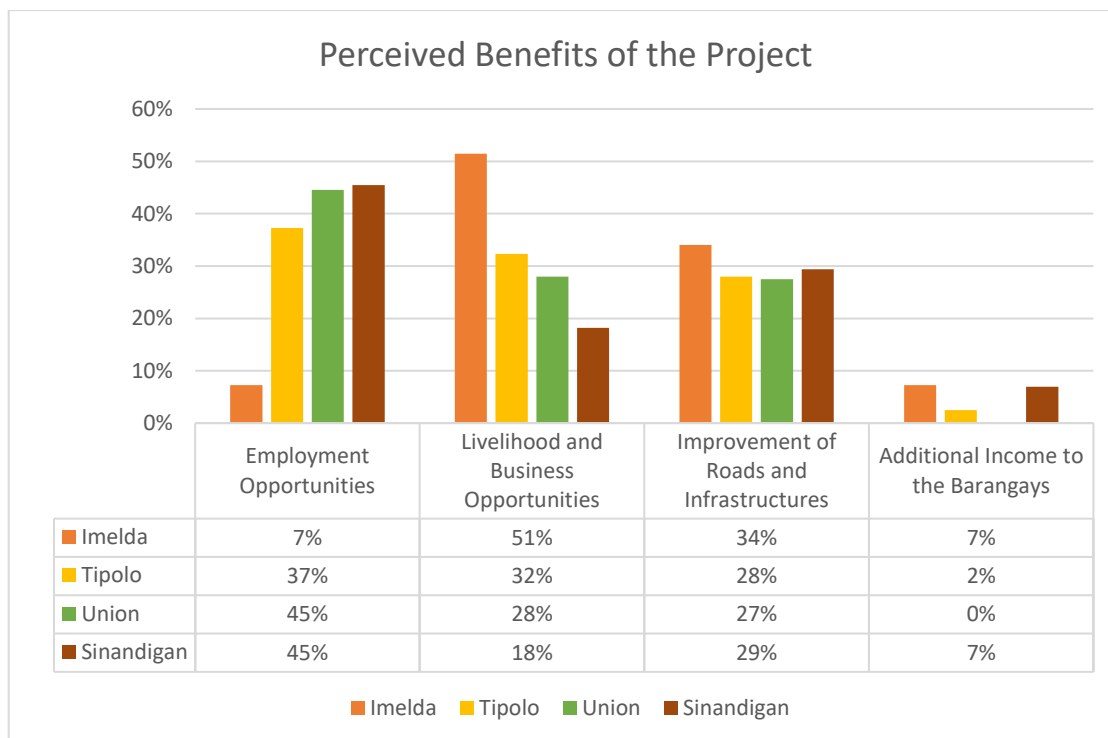
<sup>56</sup> All four barangays have mentioned that majority of them were informed of the Project through their barangay officials and councils, as seen on **Figure 3-3**. Meanwhile, some of the respondents have been aware of the proposed project through the IEC activities of the proponent.



**Figure 3-3. Sources of Information**

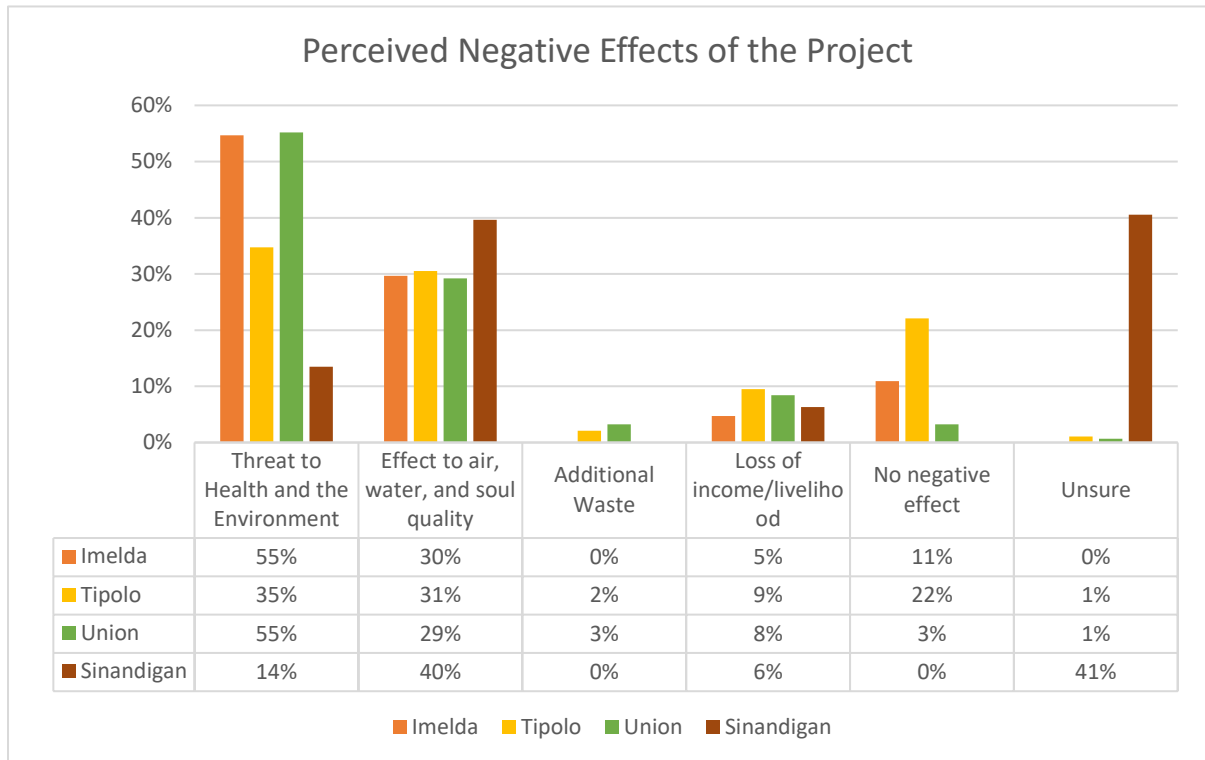
#### 5.4.3. Perceived Project Benefits

- <sup>57</sup> Based on the table below, employment opportunities and development of livelihood and relevant businesses were the leading perceived benefits by the respondents.



**Figure 3-4. Perceived Positive Impacts of the Project**

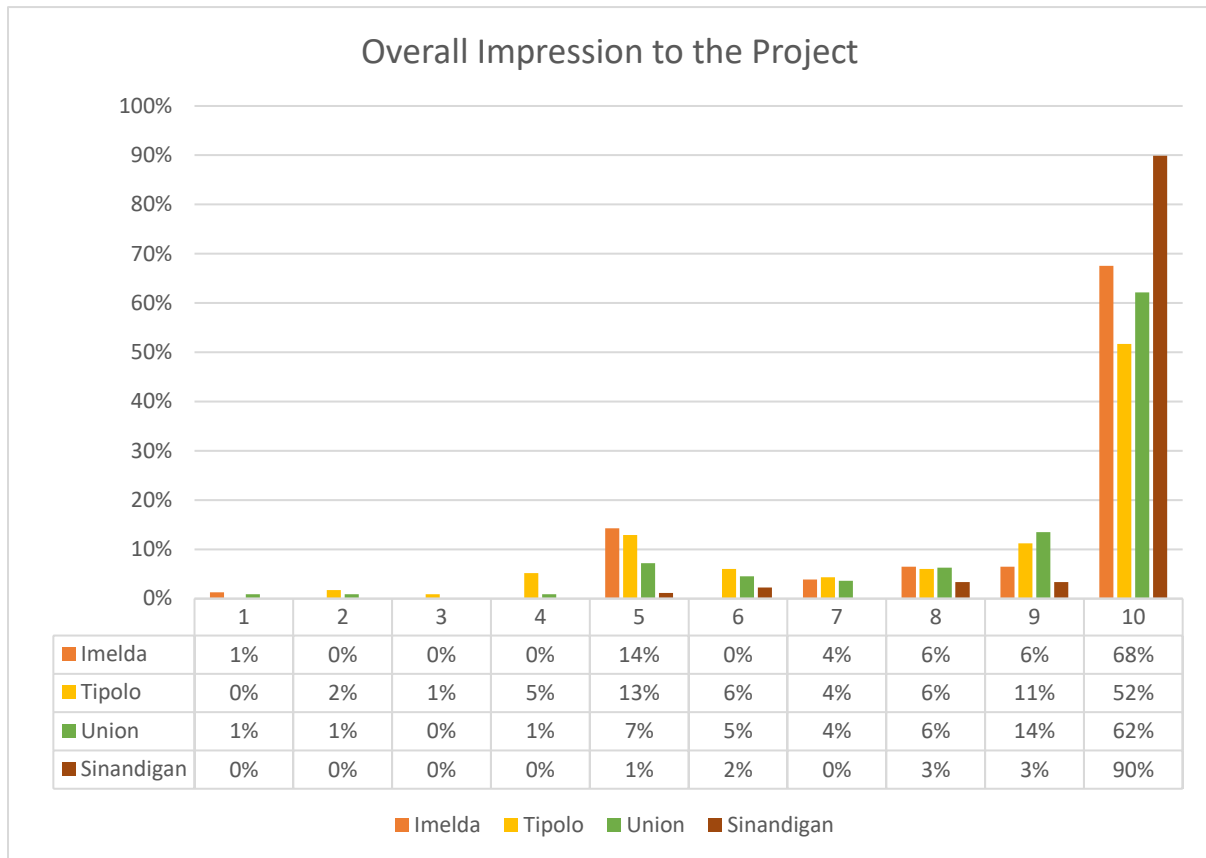
- 58 Aside from the discussed project benefits, the respondents are also expecting adverse impacts during project implementation. These impacts include issues on the threat to their health and the environment, possible adverse effect to the environment, and loss of income/ livelihood.



**Figure 3-5. Perceived Negative Impacts of the Project**

#### 5.4.4. Overall Project Impression

- 59 Generally, they perceived the Project to be beneficial to them most especially to their community. However, some of them still have hesitations on the said Project linking to their perceived adverse effect of the Project. The said impression may also be attributed to the respondents' lack of knowledge and deeper understanding of the Project. Therefore, continuous IEC and public consultation activities should be done to fully further the stakeholders' understanding and appreciation of the Project.



**Figure 3-6. Overall Impression to the Project**

<sup>60</sup> Overall project impression was asked to each respondent by rating their general perception towards it. The rating was guided by the question, “Do you think the Project is geared towards the betterment of the community? Kindly rate your impression from 1-10, where “10” means that the Project is generally promising while “0” means that the Project is nonsense at all.”

# Appendix A

## IEC Material

## ABOUT US

**Alcantara Group** is a Mindanao conglomerate with over 50 years of business in agriculture, real estate, plywood manufacturing, and power generation.

**Alsons Consolidated Resources** (ACR), through its power subsidiaries has developed, financed, built and operated four power generation facilities in Mindanao.

**Conal Holdings Corporation** (CHC) is a 100% subsidiary under Alsons Consolidated Resources, Inc. ACR is a publicly-listed holding company with interests in energy and power generation, property development, and product distribution. CHC already completed both domestic and foreign projects.



Committed to providing safe, reliable and affordable energy to the island of Mindanao and the rest of the Philippines.

## CONTACT US

4th Floor Southgate Tower, 2258  
Chino Roces Avenue corner EDSA,  
Makati Philippines 1232

+63.2.8823 7225; +63.2.8823 7196

Fax: +63.2.8836 7770

## 95.2 MW IN-ISLAND BASELOAD POWER PLANT PROJECT



CHC together with the AEDC is developing the In-Island Baseload Power Plant Project in Ubay, Bohol which has an installed capacity of 95.2 MW

ALSONS current power portfolio includes 468MW operating capacity (258MW diesel and 210MW coal). ALSONS's expansion pipeline includes over 230MW of coal and hydro projects under different stages of development

The purpose of this backup diesel power plant is to provide reliable and affordable 24/7 back-up service to the households and resorts within the island during the outage of the baseload power supply.

# CONAL HOLDINGS CORPORATION

## DIESEL POWER PLANTS UNDER CONAL HOLDINGS CORPORATION

The Mapalad Power Corporation (former NMPC) operates a 103 Mega Watt diesel power plant in Iligan City. The MPC plant provides power to key cities of Mindanao including Cagayan de Oro, Dapitan, Dipolog, and Zamboanga. MPC began its commercial operation in 1993.



**MPC**

The Southern Philippines Power Corporation (SPPC) 55 MW diesel-fired power plant in Alabel, Sarangani Province began operating in 1998. SPPC supplied power to the Mindanao grid under an 18-year Energy Conversion Agreement (ECA) with the National Power Corporation (NPC). In April of 2016, SPPC began operating as a merchant plant, directly supplying power to Davao City and Cotabato City.



**SPPC**

The Western Mindanao Power Corporation (WMPC) operates a 100 MW diesel-fired plant in Sangali, Zamboanga City that commenced operating in 1997. WMPC supplied power to the Mindanao grid from 1997 to December 2015 under an 18-year Energy Conversion Agreement (ECA) with the National Power Corporation (NPC). On December 13, 2015, WMPC began supplying 50 MW of power directly to the City of Zamboanga under a power sales agreement with the Zamboanga City Electric Cooperative, Inc. (ZAMCELCO).



**WMPC**

## COMMUNITY BENEFITS



## COMMUNITY RELATIONS PROGRAM



BOOKS AND READING MATERIALS



SCHOLARSHIPS GRANTS AND SUPPORT



ADULT LITERACY PROGRAM

### Education-based program



COMPLETION OF SCHOOL LIBRARY AND CLINIC



DONATIONS OF WATER SYSTEM FACILITIES



BOOKSHELVES, READING TABLES & CHAIRS



PROVISION OF FREE MEDICAL CHECK-UP

### Medical Mission in Surrounding Communities



PROVISION OF FREE MEDICINES

# DIESEL FAQ'S

## FREQUENTLY ASKED QUESTIONS

### What is a Diesel Power Plant? [Unsa ang Diesel nga planta sa kurenti?]

Diesel Power Plant is a reliable power-producing plant which uses a diesel engine as prime mover to generate electricity.

[Trans]: Ang Diesel Power Plant usa ka kasaligan nga planta sa paghimo og kuryente nga naggamit sa usa ka makina nga diesel isip prime mover aron makamugna og kuryente.

### How does a Diesel Power Plant work? [Giunsa pagtrabaho ang usa ka Diesel Power Plant?]

Due to the combustion of diesel in the engine, rotational energy is generated. An alternator is connected with the same shaft of the diesel engine which is used to convert the rotational energy of the diesel engine into electrical energy.

[Trans]: Tungod sa pagkasunog sa diesel sulod sa engine, ang rotational energy namugna. Usa ka alternator nga konektado sa parehas nga shaft sa diesel engine ang gigamit para ma-convert ang rotational energy sa diesel engine para makamugnag electrical energy.

### Environmental Impact [Epekto sa Palibot]

Although diesel power plants contribute to greenhouse gas emissions, our company is committed to following the rules and regulations imposed by the authorities to such plants, in order to maintain the environmental condition thru proper planning and implementation of environmental sustainability and management.

[Trans]: Bisan tuod ang mga planta sa diesel power nakatampo sa greenhouse gas emissions, ang among kompanya komitado sa pagsunod sa mga lagda ug regulasyon nga gipahamtang sa mga awtoridad sa maong mga planta, aron mamintinar ang kahimtang sa kinaiyahan pinaagi sa hustong pagplano ug pagpatuman sa environmental sustainability ug management.



# Appendix B

## IEC Logsheet

# INFORMATION, EDUCATION AND COMMUNICATION (IEC) CAMPAIGN































## 95.2 MW IN-ISLAND BASELOAD POWER PLANT PROJECT

VENUE: UNION HEALTH CENTER

DATE: 2/12/22

TIME: 9:00 AM

### ATTENDANCE SHEET

	NAME	ADDRESS	POSITION/ORGANIZATION	SIGNATURE
1	Cheril P. Mapinas	Union, Ubay, Pandal	BHW	
2	MERCY A. MALINAO	P-4 UNION, Ubay	BHW	
3	KAREN G. URRAND		House wife	
4	Elva Cleopas	P-4 Union, Ubay	House wife	
5	Antonio I. Cuthmor	P-4 Union, Ubay	BARANGAY KAGAWAD	
6	Imeldo Cleopas	P-4 Union, Ubay	Mechanic	
7	Arturo Guffano	P-4 Union, Ubay	Barangay tanod	
8	Juvilyn S. Salo	P-4 Union, Ubay	None	
9	Jessie Auditor	P-4 Union, Ubay		
10	Lizel Quintog	P-4 Union, Ubay	House wife	
11	Imech Quintog	P-4 Union, Ubay	House wife	
12	Julita Quintog	P-4 Union, Ubay	House wife	
13	Maricris Tisoy	P-4 Union, Ubay	House wife	
14	Ryan Tisoy	P-4 Union, Ubay	Farmer	
15	Vergilio Tisoy	Union, Ubay	Welder	
16	Tisoy Angela	Union, Ubay	House wife	
17	MALINAO, DENITA	Union, Ubay	House wife	
18	MALINAO PACIEL	UNION, UBAY	STUDENT	
19	Cumita michelle	Union, Ubay	HOUSEWIFE	
20	MARIE TISoy	P-4 Union, Ubay	CASHIER	
21	EDNA TISoy	Union, Ubay	LIAISON OFFICER	
22	Jovanne Adolfo	Union, Ubay	BARANGAY WELDER	
23	ROLITA SAYSON	UNION, UBAY	HOUSEWIFE	
24	RACHEL G. GONZA	union ubay	HOUSEWIFE	
25	Gerome L. Oplado	union ubay	Housewife	
26	Mirabel G. EROC	union ubay	House wife	
27	ZENADA B. BENTILLO	UNION UBAY	HOUSE WIFE	
28	JUPITO B. BENTILLO	UNION UBAY	FARMER	
29	LYDIA MAGLANA	UNION UBAY	HOUSE WIFE	
30	ANASTACIO TAMPOS JR	UNION UBAY	LABORER	

**INFORMATION, EDUCATION AND COMMUNICATION (IEC) CAMPAIGN**

**95.2 MW IN-ISLAND BASELOAD POWER PLANT PROJECT**

VENUE: UNION HEALTH CENTER

DATE: 2-11-22

TIME: 9:00 AM

**ATTENDANCE SHEET**

	NAME	ADDRESS	POSITION/ORGANIZATION	SIGNATURE
1	Bonghanon, Paul May M.	Union, Ubay	LGU - casual	
2	Aboc-albo, John Rey B.	Union, Ubay	LGU - casual	
3	Aboc-albo, Melia Flor	Union, Ubay	Housewife	
4	Jison A. Gloria	Union, UBAY	Housewife	
5	Tison A. Renato	Union, UBAY	Farmers	
6	CLAVITE Regmont	Union, UBAY	Active student	
7	CATA AUGELA	Union, UBAY	Housewife	
8	Ronilo LUGARAY	Union, UBAY	Farmer	
9	AMIRA BITOC	Union, UBAY	Housewife	
10	Manuel Darnak	Union, UBAY	Farmer	
11	Lorinalyn Torrevillas	Union, Ubay	Housewife	
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**INFORMATION, EDUCATION AND COMMUNICATION (IEC) CAMPAIGN**

**95.2 MW IN-ISLAND BASELOAD POWER PLANT PROJECT**

VENUE:

DATE:

TIME:

**ATTENDANCE SHEET**

	NAME	ADDRESS	POSITION/ORGANIZATION	SIGNATURE
1	Hnaton Josephine Q.	P-4 Imelda ubay	BNS	[Signature]
2	Albino M. Oniing	P-1 Imelda ubay	BRGY - Tanager	[Signature]
3	RENEZA/CUTAMORA	P-3 Imelda ubay	BRGY - Tanager	[Signature]
4	ORLANDO ATON	P-4 Imelda	Steelman	[Signature]
5	LINDO CADENA	P-7 Imelda	Construction worker	[Signature]
6	Jerry Ambe	P-7 Imelda	Mason	[Signature]
7	Zurra Cuyag	P-5 Imelda	BHW	[Signature]
8	Chedia Cuyag	P-5 Imelda	Small Business Owner	[Signature]
9	Mary Ann Cortez	P-5 Imelda	Housewife	[Signature]
10	China Colarino	P-5 Imelda	Farmer	[Signature]
11	Anacarina Ycong	P-5 Imelda	Housewife	[Signature]
12	Salita Ycong	P-5 Imelda	Municipal Employee	[Signature]
13	Noie Cuyagay	P-5 Imelda	None	[Signature]
14	JOAN CUYAG	P-5 Imelda	None	[Signature]
15	Ailyn Canonigo	P-7 Imelda	None	[Signature]
16	Junren Galabato	P-7 Imelda	None	[Signature]
17	Santiago Encallado	P-5 Imelda	Farmer	[Signature]
18	Perez, Josecito	P-7 Imelda	Construction worker	[Signature]
19	Alona Salipong	P-7 Imelda	naa sabay	[Signature]
20	Lucia Almagin	P-7 Imelda	None	[Signature]
21	Josel Monterde	P-4 Imelda	None	[Signature]
22	Flora S. KAT-KAT	P-4 Imelda	None	[Signature]
23	Rommel Cabatangan	P-4 Imelda	Business owner	[Signature]
24	Nila Buntillo	P-4 Imelda	None	[Signature]
25	Jaypee Poceran	P-4 Imelda	Handay/mason	[Signature]
26	Mark Cusena	P-4 Imelda	Student	[Signature]
27	Wendilyn Palatag	P-4 Imelda	Private Employee	[Signature]
28				
29				
30				

INFORMATION, EDUCATION AND COMMUNICATION (IEC) CAMPAIGN



95.2 MW IN-ISLAND BASELOAD POWER PLANT PROJECT

VENUE:

DATE:

TIME:

ATTENDANCE SHEET

	NAME	ADDRESS	POSITION/ORGANIZATION	SIGNATURE
1	Tabanag, Teresita	P-1 UNION	ASAWA / BHW	
2	TERRY X. BERLAN	P-4 UNION	BRCY. COORDINATOR	
3	ROMIEL C. BOLSER	P-1 UNION	PHINONG BRCY.	
4	ROTHMAN, HUMINIEL JOY	P-4 UNION	WIFE	
5	Nes Matbagon	P-5 union	Wife	
6	Hernando P. Santos	P-4 Union	Nanang	
7	Henry C. Sae	P-4 Union	husband	
8	Adelaida Bacalso	P-4 Union	Wife	
9	ARNOLD POUTER	P-1 UNION	ASAWA	
10	Reyphica Sagang	P-4 Union	ASAWA	
11	Alcino J.	P-4 UNION	ASAWA	
12	Araceli Tiron	P-4 Union	Solo Parent	
13	ALVIN ALIAPON	P-4 Union	HUSBAND	
14	Zener T. Villalobos	P-4 Union	husband	
15	Entrada TRANQUILITA	P-4	Wife	
16	Torrevillas Roberto	P-4 UNION	BAWA / Brgy Tanod	
17	Vincut Carillo	P-4 UNION	Preson Guard	
18	catalina Torrevilla	P-4 Union	HOUSE WIFE	
19	RUFINO ENOC	P-4 UNION	HUSBAND	
20	ENRIQUE UGAY	P-5 union	HUSBAND	
21	NEXESO ATON JR.	P-1 UNION	HUSBAND	
22	JANE BOYBOY	P-1 UNION	HUSBAND	
23	ELMER RAMOS	P-1 UNION	HUSBAND	
24	Jarilo Icomilla	P-1 UNION	HUSBAND	
25	ARON GULTION	P-4 - UNION	HUSBAND	
26	JOCILLO B. MALMAD	P-1 UNION	HUSBAND	
27	Romy P. Beronio	P-4	HUSBAND	
28	VIRGA BOLSON	P-1 UNION	HUSBAND	
29	Charito Ustis	P-5 union	HUSBAND	
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INFORMATION, EDUCATION AND COMMUNICATION (IEC) CAMPAIGN

95.2 MW IN-ISLAND BASELOAD POWER PLANT PROJECT

VENUE:

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ATTENDANCE SHEET

	NAME	ADDRESS	POSITION/ORGANIZATION	SIGNATURE
1	ROSEMARIE CUTAMORA	P-4 UNION	TOHW	
2	NORMA C. SUGARAP	P-4 UNION	HOUSEMAID	Norma Sugarap
3	GUILLERMO CUTAMORA	P-4 UNION	N/A (Senior Citizens)	Guillermo
4	VENJIE L. AYOP	P-4 UNION	WOOD CUTTER	
5	Aneito B. Floreno	P-4 Union	DRIVER	
6	HELEN C. SANTISAS	P-4 UNION	HOUSEWIFE	
7	AMELITA CANO	P-4 UNION	FARMERS	
8	JAIME C. ROSAL	P-4 UNION	FISHERMEN	
9	MATILDE A. YONG	P-4 UNION	HOUSEMAID...	
10	Dante E. Salise	P-4 UNION	Farmers	Dante
11	BULAGA LITRAN	P-4 UNION	Farmers	
12	Rolito LUGAGAY	P-5 Union	Farmer	
13	Clarissa Singh	P-5 Union	Wife	
14	Debelyn C. Torrevillas	P-5 Union	Wife	
15	ANDRES BOISER	P-5 UNION	FARMER	
16	ARKIE PAMAR	P-5 UNION	HOUSEWIFE	
17	DAYUN BUANGHUG	P-5 UNION	HOUSEWIFE	Dayun Buanghug
18	ELENA L. SANCHEZ	P-5 UNION	HOUSEWIFE	
19	ARNEL LUGAGAY	P-5 UNION	GASOLINE PUMP	
20	Gerbie Torrevillas	P-5 Union	(FARMER) FARMER	
21	PAQUITO CUTAMORA	P-4 UNION	FARMER	
22	Florencio Zamora	P-4 Union	DRIVER	
23	ERIC SMICE	P-4 Union	Farmer	
24	Romel Platan	P-4 Union	Baker	
25	ALBERTO QUILATON	P-5 UNION	DRIVER	
26	PEDELINA MANDADO	P-4 UNION	HOUSEWIFE	
27	ELCINA RODRIGUEZ	P-5 UNION	HOUSEWIFE	
28	ABETO MALINAO	P-4 UNION	WOOD CUTTER	Abeto
29	SANTIAGO MALINAO	P-4 UNION	FISHERMEN	
30	DONATO MALINAO Jr.	P-4 UNION	CARPENTER	

# INFORMATION, EDUCATION AND COMMUNICATION (IEC) CAMPAIGN

## 95.2 MW IN-ISLAND BASELOAD POWER PLANT PROJECT

VENUE:

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### ATTENDANCE SHEET

	NAME	ADDRESS	POSITION/ORGANIZATION	SIGNATURE
1	Michael Damolo	P-5 - union	Farmer	<i>[Signature]</i>
2	Rosalyn Damolo	P-5 - Union	House wife	<i>[Signature]</i>
3	CHRISTIAN DAMOLO	P-5 UNION	GUARD	<i>[Signature]</i>
4	ANSELMO TORREVILLAS	P-5 UNION	FARMER	<i>[Signature]</i>
5	DULCISIMA XHOP	P-4 UNION	HOUSEWIFE	<i>[Signature]</i>
6	EMILIA S. SALISE	P-4 UNION	HOUSEWIFE	Emilia S. Salise
7	MELRED SALISE	P-4 UNION	FARMER	<i>[Signature]</i>
8	JOSE T. MANAGAY	P-4 UNION	FARMER	<i>[Signature]</i>
9	LUCRECIA M. MALINAO	P-4 UNION	HOUSEWIFE	<i>[Signature]</i>
10	MARREYLLA MALINAO	P-4 UNION	HOUSEWIFE	<i>[Signature]</i>
11	MANUELA MALINAO	P-4 UNION	HOUSEWIFE	<i>[Signature]</i>
12	MARCIANO TORREVILLAS	P-4 UNION	FISHERMEN	<i>[Signature]</i>
13	LEONISA XAVENIDO	P-4 UNION	HOUSEWIFE	<i>[Signature]</i>
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**INFORMATION, EDUCATION AND COMMUNICATION (IEC) CAMPAIGN**

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**ATTENDANCE SHEET**

	NAME	ADDRESS	POSITION/ORGANIZATION	SIGNATURE
1	Meria D. Sarabosing	P. 6 Sinandigan	DHW	Meria D. Sarabosing
2	Alona D. Defiesta	P. 6 Sinandigan	HOUSEKEEPER	Alona D. Defiesta
3	Elizabeth D. Defiesta	P. 6 Sinandigan	HOUSEKEEPER	Elizabeth D. Defiesta
4	Riza D. Swan	P. 6 Sinandigan	Housekeeper	Riza D. Swan
5	Pedilina V. Daquipil	P. 6 Sinandigan	Housekeeper	Pedilina V. Daquipil
6	Nessiel P. Ocat	P. 6 Sinandigan	Housekeeper	Nessiel P. Ocat
7	Ricardo M. Boyles	P. 6 Sinandigan	Farmer	Ricardo M. Boyles
8	Eduardo R. Dela Torre Jr.	P. 6 Sinandigan	Farmer	Eduardo R. Dela Torre Jr.
9	Edmond Talingting	P. 6 Sinandigan	Fisherman	Edmond Talingting
10	Danny T. Boyles	P. 6 Sinandigan	Farmer	Danny T. Boyles
11	Jonathan B. Baigdo	P. 6 Sinandigan	Dressmaker	Jonathan B. Baigdo
12	Guillermo A. Baigdo	P. 6 Sinandigan	Sales Clerk	Guillermo A. Baigdo
13	Feliciano Y. Abay-Abay	P. 6 Sinandigan	Housekeeper	Feliciano Y. Abay-Abay
14	Roberto N. Dalabach	P. 6 Sinandigan	Glass Installer	Roberto N. Dalabach
15	Rito J. Olaguir	P. 6 Sinandigan	Masonry	Rito J. Olaguir
16	Mark Don C. Daan	P. 6 Sinandigan	Fisherman	Mark Don C. Daan
17	Armando C. Quinlan Sr.	P. 6 Sinandigan	Farmer	Armando C. Quinlan Sr.
18	Albie Y. Quinlan	P. 6 Sinandigan	Farmer	Albie Y. Quinlan
19	Roselyn G. Amoroto	P. 6 Sinandigan	Meat Vendor	Roselyn G. Amoroto
20	Key B. Malaga	P. 6 Sinandigan	Farmer	Key B. Malaga
21	Jerome Ibabao	P. 6 Sinandigan	Farmer	Jerome Ibabao
22	Alfredo V. Ibabao	P. 6 Sinandigan	Farmer	Alfredo V. Ibabao
23	Martin R. Mojares	P. 6 Sinandigan	Farmer	Martin R. Mojares
24	Resplendo A. Boiser	P. 6 Sinandigan	Farmer	Resplendo A. Boiser
25	Carlos Boyles Sr.	P. 6 Sinandigan	Farmer	Carlos Boyles Sr.
26	Amot D. Cuyho	P. 6 Sinandigan	Farmer	Amot D. Cuyho
27	Vicente L. Daquipil	P. 6 Sinandigan	Farmer	Vicente L. Daquipil
28	Teresa L. Daquipil	P. 6 Sinandigan	Housekeeper	Teresa L. Daquipil
29	Eleanora D. Daray	P. 6 Sinandigan	Housekeeper	Eleanora D. Daray
30	Vitaliano A. Ligles	P. 6 Sinandigan	Farmer	Vitaliano A. Ligles

31.	Ma. Celsa D. Jimario	P. 6 Sinandigan	Housekeeper	Ma. Celsa Jimario
32.	Rogelio M. Boyles	P. 6 Sinandigan	Farmer	Rogelio M. Boyles
33.	Roland A. Inquito	P. 6 Sinandigan	Security guard	R. A. Inquito
34.	Rodrigo C. Inquito	P. 6 Sinandigan	Farmer	Rodrigo C. Inquito
35.	Arman D. Balani	P. 6 Sinandigan	Farmer	A. Balani
36.	Rogelio V. Galos	P. 6 Sinandigan	Farmer	R. Galos
37.	Editha V. Galos	P. 6 Sinandigan	Housekeeper	Editha Galos
38.	Sabeneriano A. Balani	P. 6 Sinandigan	Farmer	S. Balani
39.	Amalia A. Inquito	P. 6 Sinandigan	Housekeeper	A. Inquito



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	NAME	ADDRESS	POSITION/ORGANIZATION	SIGNATURE
1	Enlinda Y. Pedro	Imelda	BHVI	
2	Tereza A. Menbrail	Imelda	Barangay	
3	Nida P. Boyle	Imelda	Housekeeper	
4	Lorna de Cruz	Imelda	Housekeeper	
5	ARNIEL MIDEI	Imelda	OFW	
6	<del>Christine</del> <del>McCarthy</del> <del>Imelda</del>	Imelda	Farmer	
7	Randy Cutamora	Imelda	farmer	
8	Aida Solerogon	Imelda	farmer	
9	charity Vallente	Imelda	Housewife	
10	ARMSTRONG COANCE	IMELDA	DRIVER	
11	Josephine A. Riziz	Imelda	Housewife	
12	Enlinda C. Vallente	Imelda	Housewife	
13	Raul C. Vallente	Imelda	farmer	
14	Lycitor C. Boice	Imelda	Housewife	
15	Cheque V. Castillo	Imelda	Housewife	
16	Rex A. Mendez	Imelda	Laborer	
17	MAYEN B. TURTOR	IMELDA	House wife	
18	MARIVEL MEMBREVE	IMELDA	House wife	
19	JERIE D. MONTEPE	IMELDA	House wife	
20	Rudy A. Vallente	Imelda	farmer	
21	<del>Rita</del> Lenise Marsin	Imelda	Housewife	
22	Jeanilyn Boyle	Imelda	Housewife	
23	Judith Jumanan	Imelda	Housewife	
24	Coraz Abayabay	Imelda	laborer	
25	Nazina Ruiz	Imelda	Housewife	
26	William C. Boyle	Imelda	Farmer	
27	Ruel A. Usit	Imelda	laborer	
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**INFORMATION, EDUCATION AND COMMUNICATION (IEC) CAMPAIGN**

**95.2 MW IN-ISLAND BASELOAD POWER PLANT PROJECT**

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**ATTENDANCE SHEET**

	NAME	ADDRESS	POSITION/ORGANIZATION	SIGNATURE
1	Teresita P. Bacalso	P5 Tipolo	BHW	T. Bacalso
2	MARVIN P. BACALSO	P5 TIPOLO	FARMER	Bacalso
3	FEDIE C. Auditor	P-5 Tipolo	Tricycle driver	Fedie
4	Renita B. Golosino	P-5 Tipolo	BHW	R. Golosino
5	JULITA B. Ebanal	P-3 TIPOLO	BHW	J. Ebanal
6	MARKITA A. CENABRE	P-3 TIPOLO	BHW	M. A. Cenabre
7	ARLENE D. CUYONA	P-7 TIPOLO	TANOD	A. Cuyona
8	Teresita C. Ybanez	P-7 Tipolo	BHW	T. Ybanez
9	Rosita L. Ybanez	P-7 Tipolo	Motorcycle Driver	R. Ybanez
10	FRANCISCA B. ACLON	P-3 TIPOLO	FARMER	F. Aclon
11	MICHELLE M. ALBORES	P-6 TIPOLO	BHW	M. Albores
12	Evangelina B. Aumentado	P-5 Tipolo	House wife	E. Aumentado
13	Adelaida B. Baizer	P-5 Tipolo	House Wife	A. Baizer
14	Almic Jean C. Cano	P-5 Tipolo	House wife	A. Cano
15	Civila Bactol	P-5 Tipolo	House Wife	C. Bactol
16	Rodolfo S. Nepa	P-5 Tipolo	Carpenter	R. Nepa
17	Randy A. Bacalso	P-5 Tipolo	mangingida	R. Bacalso
18	BRYAN P. BACALSO	P-5 Tipolo	FARMER/mangisda	B. Bacalso
19	Jane A. Ochon	P-5 Tipolo	Housewife	J. Ochon
20	Lenida M. Bacalso	P-5 Tipolo	Farmer	L. Bacalso
21	Johnrey R. Bactol	P-5 Tipolo	Baker	J. Bactol
22	Loreto M. Rosales	P-5 Tipolo	Farmer	L. Rosales
23	Lunisa I. Valleres	P-5 Tipolo	House Wife	L. Valleres
24	Eric M. Misiona	P-5 Tipolo	Fried Chicken Vendor	E. Misiona
25	Jocelyn A. Golosino	P-5 Tipolo	House wife	J. Golosino
26	JAT-AR P. BACALSO	P5 TIPOLO	TEACHER	J. Bacalso
27	Gelbert L. Auguis	P5 Tipolo	Driver Delivery	G. Auguis
28	Ritchie B. Boyles	P5 Tipolo	Teacher	R. Boyles
29	Ryan C. Bacalso	P-5 Tipolo	labor	R. Bacalso
30	Ray R. Bitua	P-5 tipolo	crab Picker	R. Bitua



INFORMATION, EDUCATION AND COMMUNICATION (IEC) CAMPAIGN

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1	Golasino, Rosita	P-5 Tipolo, Ubay, Bohol	House wife	Golasino, Rosita
2	Golasino, Arren	P-5 Tipolo, Ubay, Bohol	House wife	Golasino, Arren
3	Golasino, Wilman	P-5 Tipolo, Ubay, Bohol	Brgy. Tanod	Golasino, Wilman
4	Bersano, Roskier	P-2 Trow	BAW	Bersano, Roskier
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**INFORMATION, EDUCATION AND COMMUNICATION (IEC) CAMPAIGN**

**95.2 MW IN-ISLAND BASELOAD POWER PLANT PROJECT**

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	NAME	ADDRESS	POSITION/ORGANIZATION	SIGNATURE
1	Charita L. Auditor	P-2 Sinandigan	Housewife	<i>[Signature]</i>
2	ERLINDA C. BOYLES	P-2 Sinandigan	BHW	<i>[Signature]</i>
3	Ethel D. Auditor	P-2 Sinandigan	Housewife	<i>[Signature]</i>
4	Estelita A. Montijo	P-2 Sinandigan		<i>[Signature]</i>
5	Steve B. LUC	P-2 Sinandigan	C.I. (PHCCJ)	<i>[Signature]</i>
6	DOMINGA M. CUTAG	P-2 SINANDIGAN	HOUSEWIFE	<i>[Signature]</i>
7	Emma A. Genodias	P-2 Sinandigan	House wife	<i>[Signature]</i>
8	Ernesto Genodias	P-2 Sinandigan	farmer	<i>[Signature]</i>
9	ABUNDIO T. PACONAD	P-2 Sinandigan	LABORER	<i>[Signature]</i>
10	Reynardina A. Salipon	P-2 "	Housewife	<i>[Signature]</i>
11	Roberto B. Conjero	P-2 "		<i>[Signature]</i>
12	Rutcel C. Gabato	P-2 "		<i>[Signature]</i>
13	Melody C. Utes	P-2 "		<i>[Signature]</i>
14	Remedios A. Genodias	P-2 "		<i>[Signature]</i>
15	Elezabeth C. Pajononof	P-2 "		<i>[Signature]</i>
16	Marilan E. Boyles	P-2 "	House - wife	<i>[Signature]</i>
17	Camilo A. Boyles	P-2 "		<i>[Signature]</i>
18	Zenaida X. Granado	P-2 "	House wife	<i>[Signature]</i>
19	Lycena P. Auditor	P-2 "		<i>[Signature]</i>
20	JOSCE P. ENOC	P-2 "	REGY. KAGAWAD	<i>[Signature]</i>
21	Marnelle N. Jansen	P-2 Sinandigan		<i>[Signature]</i>
22	VICENTE VALERA	P-2 Sinandigan		<i>[Signature]</i>
23	MARICE SUMAYANG	P-2 SINANDIGAN		<i>[Signature]</i>
24	FELIX MURPHOS	P-2 SINANDIGAN		<i>[Signature]</i>
25	Rixan Torrevillas	P-2 Sinandigan		<i>[Signature]</i>
26	Elmer Torrevillas	P-2 Sinandigan		<i>[Signature]</i>
27	Jeremias Parjenny	P-2 Sinandigan		<i>[Signature]</i>
28	Evelina Magub	P-2 Sinandigan		<i>[Signature]</i>
29	Agapito Torrevillas	P-2 Sinandigan		<i>[Signature]</i>
30	Gregorio Polica	P-2 Sinandigan		<i>[Signature]</i>



# INFORMATION, EDUCATION AND COMMUNICATION (IEC) CAMPAIGN

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1	Marnette Cutamora	P-1 Tipolo	BHW	Cutamora
2	Eva Rosal	P-1 Tipolo	wife	Eva
3	Alberto Rosal	P-1 Tipolo	Husband	Alberto Rosal
4	LUCIA O. Minoza	P-5 TIPOLO	SOR. PRES.	Louise Minoza
5	Ona Marie F. Piñol	P-2 TIPOLO	BNS	Ona Marie
6	Theresa Q. Mangubat	P-4 Tipolo	Barangay Tanod	Theresa
7	REEMARIO D. ROSEN	P-1 TIPOLO	BHW PRESIDENT	Reemario
8	MAJ-ANN ROSAL	P-1 TIPOLO	WIFE	Maj-Ann Rosal
9	REINERIO MESIONA	P-1 TIPOLO	TRICYCLE DRIVER	Reinerio
10	EPITACIO AUDITOR	P-1 TIPOLO	Punk President	Epitacio
11	JONAME CLAVITE	P-1 TIPOLO	WIFE	Joname
12	MARIES AUDITOR	P-1 TIPOLO	WIFE	Maries Auditor
13	HININA AUDITOR	P-1 TIPOLO	WIFE	Hinina Auditor
14	L-AN CUTAMORA	P-1 TIPOLO	WIFE	L-An Cutamora
15	CECELIA MISIONA	P-1 TIPOLO	WIFE	Cecelia
16	WILFREDO AUDITOR	P-1 TIPOLO	HUSBAND	Wilfredo
17	CARAH MISIONA	P-1 TIPOLO	WIFE	Carah
18	ROBERTO REYES	P-1 TIPOLO	HUSBAND	Roberto
19	Elvie Justol	P-1 Tipolo	WIFE	Elvie
20	Virginia Alluro	P-1 Tipolo	WIFE	Virginia
21	Andres Rosal	P-1 TIPOLO	HUSBAND	Andres
22	Joseph Rosal	P-1 TIPOLO	WIFE	Joseph
23	Rosita Pedrus	P-1 TIPOLO	WIFE	Rosita
24	Patrick Cutamora	P-1 TIPOLO	HUSBAND	Patrick
25	Calista Misiona	P-1 TIPOLO	WIFE	Calista
26	Danilo Misiona	P-1 TIPOLO	HUSBAND	Danilo
27	Joel Misiona	P-1 TIPOLO	HUSBAND	Joel
28	RICARDO OJONG CR	P-1 TIPOLO	HUSBAND	Ricardo
29	RENANTE AUDITOR	P-1 TIPOLO	HUSBAND	Renante
30	JESUS Labastida	P-1 TIPOLO	HUSBAND	Jesús Labastida

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### ATTENDANCE SHEET

	NAME	ADDRESS	POSITION/ORGANIZATION	SIGNATURE
1	Ignacio Misionero	P-1 TIPOLD	HUSBAND	By [Signature]
2	Mary Ann Sanicolas	P-1 TIPOLD	WIFE	[Signature]
3	Glenda Cabanillas	P-1 Tipold		[Signature]
4	Ronald Misionero	P-1 "	Habalak River	[Signature]
5	Elmo Bacalso	P-1 "	Husband	[Signature]
6	Carlito Gabrito	P-1 - "	"	[Signature]
7	John Kelvin Gabito	P-1 - "	Husband	[Signature]
8	Juanita Torres	P-1 - "	Wife	[Signature]
9	Juanito Perez	P-1 - "	Husband	[Signature]
10	Monique Pantajan	P-1 - "	Wife	[Signature]
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# Appendix C

## Perception Survey Questionnaire

SOCIOECONOMIC AND PERCEPTION SURVEY FORM			
<b>1.0 GEOGRAPHICAL CONTEXT</b>			
1.1 Barangay		1.2 Sitio	
1.3 Munisipyo			
<b>2.0 DEMOGRAPHIC INFORMATION</b>			
2.1 Pangalan?			
		APELYIDO	PANGALAN
2.2 Kasarian			
<input type="checkbox"/> Lalake <input type="checkbox"/> Babae			
2.3 Katutubo			
<input type="checkbox"/> Tagalog <input type="checkbox"/> Ilocano <input type="checkbox"/> Kapampangan <input type="checkbox"/> Bisaya <input type="checkbox"/> Iba pa, pakitukoy: _____			
2.4 Wika			
<input type="checkbox"/> Tagalog <input type="checkbox"/> Ilocano <input type="checkbox"/> Hiligaynon <input type="checkbox"/> Cebuano <input type="checkbox"/> Iba pa, pakitukoy : _____			
2.5 Edad noong huling kaarawan? _____			
2.6 Civil Status			
<input type="checkbox"/> Single <input type="checkbox"/> Kasal <input type="checkbox"/> Byuda/ Byudo <input type="checkbox"/> Hiwalay <input type="checkbox"/> Iba pa, pakitukoy: _____			
2.7 Ilan po kayo sa inyong bahay (kasama ka)? _____			
2.8 Relihiyon			
<input type="checkbox"/> Roman Catholic <input type="checkbox"/> Protestante <input type="checkbox"/> Baptist <input type="checkbox"/> Iglesia ni Cristo <input type="checkbox"/> Islam <input type="checkbox"/> Aglipayan <input type="checkbox"/> Iba pa, pakitukoy: _____			
2.9 Pinakamataas na Natapos sa Pag-aaral			
<input type="checkbox"/> None <input type="checkbox"/> Elementary <input type="checkbox"/> High School <input type="checkbox"/> Vocational <input type="checkbox"/> College <input type="checkbox"/> Post-Graduate			
<b>3.0 MIGRATION/SETTLEMENT HISTORY</b>			
3.1 Ilang taon na po kayong nakatira sa inyong barangay? _____			
3.2 Kung kayo po ay dayo, anong lugar po ang inyong pinagmulan? _____			
<b>4.0 HOUSEHOLD/COMMUNITY CHARACTERISTICS, HEALTH SYSTEMS, AND SANITATION PROFILE</b>			
4.1 Ano po ang inyong pangunahing pinagkakakitaan? Pwedeng sumagot ng marami.			
<input type="checkbox"/> Walang trabaho <input type="checkbox"/> Regular Pribado/Gobyerno na Empleyado <input type="checkbox"/> Contractual na Trabaho /sub-contractor <input type="checkbox"/> Pagtitinda/ Paglalako <input type="checkbox"/> Pangangisda <input type="checkbox"/> Pagsasaka <input type="checkbox"/> Negosyo ng Pamilya <input type="checkbox"/> Remittances galing OFW /OFW na Kamag-anak <input type="checkbox"/> Iba pa, pakitukoy: _____			
4.2 Paano niyo po ilalarawan ang inyong bahay at lupang tinitirikan nito?			
_____ Pag-mamay-ari ng bahay _____ Pag-mamay-ari ng lupa na tinitirikan ng bahay <b>1 -Legal na pagmamay-ari      2 – Nirentahan</b> <b>3 – Libre                              4 - Squatter</b>			

SOCIOECONOMIC AND PERCEPTION SURVEY FORM
<b>4.3 Saan gawa ang inyong bahay?</b> <input type="radio"/> Purong kahoy/kawayan <input type="radio"/> Purong semento <input type="radio"/> Iba't-ibang materyales (tulda, yero,plastic, at iba pa) <input type="radio"/> Magkahalong kahoy at semento <input type="radio"/> Magkahalong iba't-ibang materyales at kahoy <input type="radio"/> Nipa
<b>4.4 Facilities sa bahay</b> _____ Toilet facilities _____ Electricity _____ Source of drinking water _____ Source of domestic water _____ Predominant cooking fuel  Mga Pagpipilian: <b>Para sa toilet facilities:</b> 1–none   2–open pit   3–close pit <b>Para sa electricity:</b> 1–available   2–none <b>Para sa source of drinking water:</b> 1–Rain water   2–Piped water   3–Deep well   4–Spring   5–Mineral/Bottled <b>Para sa source of domestic water:</b> 1–Rain water   2–Piped water   3–Deep well   4–Spring <b>Para sa predominantly used cooking fuel</b> 1- Fuelwood   2-Kerosene   3-LPG   4- Electric
<b>4.5 Sino po ang pangunahing nagtatrabaho sa inyong pamamahay?</b>  <input type="checkbox"/> Asawang lalaki <input type="checkbox"/> Asawang babae <input type="checkbox"/> Anak na lalaki <input type="checkbox"/> Anak na babae <input type="checkbox"/> Lalaking kamag-anak <input type="checkbox"/> Babaeng kamag-anak <input type="checkbox"/> Iba pa, pakitukoy: _____
<b>4.6 Magkano po sa tingin niyo ang buwanang kita sa inyong pamamahay?</b> _____ <input type="checkbox"/> PHP 0 – 5,000 <input type="checkbox"/> PHP 5,001 – 10,000 <input type="checkbox"/> PHP 10,001 – 15,000 <input type="checkbox"/> > PHP 15,000
<b>4.7 Magkano po sa tingin niyo ang buwanang gastos sa inyong pamamahay?</b> _____ <input type="checkbox"/> PHP 0 – 5,000 <input type="checkbox"/> PHP 5,001 – 10,000 <input type="checkbox"/> PHP 10,001 – 15,000 <input type="checkbox"/> > PHP 15,000
<b>4.8 Ilan po ang myembro ng pamilya na may edad:</b> _____ 0-14 years old? _____ 15-64 years old? _____ 65 years old and above?
<b>4.9 Anu-ano ang limang karaniwang sakit ng mga myembro ng pamilya ?</b>  _____ _____ _____ _____ _____
<b>4.10 May namatay na po ba sa inyong pamilya sa nakalipas na limang taon? Ano po ang naging sanhi?</b>  _____ _____ _____ _____ _____
<b>4.11 Saan kayo pumupunta upang magpakonsulta?</b> <input type="checkbox"/> Barangay Health Center <input type="checkbox"/> Municipal/Rural Health Center

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<input type="checkbox"/> Provincial Hospital <input type="checkbox"/> Private Clinic <input type="checkbox"/> Private Hospital <input type="checkbox"/> Albularyo <input type="checkbox"/> Iba pa, pakitukoy: _____	
<b>4.12 Anu-ano ang mga karaniwang gamot ang iniinom ng bawat miyembro ng inyong pamilya?</b>	
<b>4.12 Saan niyo binibili ang mga gamot?</b> <input type="checkbox"/> Barangay Health Center <input type="checkbox"/> Municipal/Rural Health Center <input type="checkbox"/> Provincial Hospital <input type="checkbox"/> Botika <input type="checkbox"/> Sari-sari store <input type="checkbox"/> Private Hospital <input type="checkbox"/> Iba pa, pakitukoy: _____	
<b>4.13 Paano itinatapon ang inyong basura?</b> <input type="checkbox"/> Pagsusunog <input type="checkbox"/> Kinokolekta ng barangay ( gaano kadalas sa isang linggo?) <input type="checkbox"/> Pagtatapon sa ilog <input type="checkbox"/> Iba pa, pakitukoy: _____	
<b>4.14 Mayroon po bang mga pribadong organisasyon tumutulong sa inyong barangay sa usaping kalusugan, edukasyon, pangakunlaran, atbp? Anu-ano ang mga tulong/ programa ang ipinapatupad nila? Kung mayroon, itala sa ibaba.</b>	
Organisasyon	Programa
<b>5.0 PERCEPTIONS ON THE PROJECT</b>	
<b>5.1 Alam niyo po ba ang pinaplanong proyekto (95.2 MW IN Island Baseload Power Plant Project) ng Conal Holdings Corp – Alson Power Corporation?</b>  <input type="radio"/> Oo <input type="radio"/> Hindi	
<b>5.2 Kung oo, paano po ninyo nalaman ang proyekto o saan nanggaling ang impormasyon ukol sa proyekto?</b>  <input type="checkbox"/> Kapitbahay <input type="checkbox"/> Barangay Council/Official <input type="checkbox"/> Mga Information, Education and Communication (IEC) activities ng proponent <input type="checkbox"/> Media (Radyo, Dyaryo, Telebisyon, etc.) <input type="checkbox"/> Iba pa, pakitukoy: _____	
<b>5.3 Ano po sa tingin ninyo ang benepisyo na maidudulot ng proyekto?</b>  <input type="checkbox"/> Oportunidad sa trabaho <input type="checkbox"/> Pangkabuhayan at oportunidad sa negosyo	

SOCIOECONOMIC AND PERCEPTION SURVEY FORM				
<input type="checkbox"/> Dagdag na dami ng turista <input type="checkbox"/> Mapapabuti ang mga daan at mga imprastruktura <input type="checkbox"/> Iba pa, pakitukoy: _____				
<b>5.4 Ano po sa tingin ninyo ang potensyal na masamang epekto na maidudulot ng proyekto?</b>  <input type="checkbox"/> Panganib sa kalusugan at sa kaligtasan <input type="checkbox"/> Epekto sa kalidad ng hangin, tubig at lupa <input type="checkbox"/> Dagdag na basura <input type="checkbox"/> Pagkawala ng pangkabuhayan <input type="checkbox"/> Iba pa, pakitukoy: _____				
<b>5.5 Ano ang mga kasalukuyang isyu, problema, at alalahanin na pinagdaraan sa inyong pamamahay?</b>				
<b>5.6 Ano ang nakikinita mong magiging pinakamalaking problema ng inyong komunidad?</b>				
<b>5.7 Sa inyong palagay makabubuti ba o hindi makabubuti para sa mga mamamayan ng barangay ang 95.2 MW IN Island Baseload Power Plant Project?</b>  Paki-grado po ang iyong kasalukuyang sagot mula “0 hanggang “10”. Bilugan ang “10” kung higit na makabubuti ang proyekto at “0” kung hindi ito makabubuti.				
1	2	3	4	5
6	7	8	9	10
Paki paliwanag po ang iyong kasagutan.  _____ _____ _____ _____ _____ _____				

**MARAMING SALAMAT PO!**

# Appendix D

## IEC & Household Perception Survey Photo documentation







