

# **Public Scoping Report**

## **Proposed Desalination Plant, Manager's Quarters with Laundry Area and Specialty Restaurant for The Lind Resort and Spa**

Submitted to:



**ENVIRONMENTAL MANAGEMENT BUREAU – MIMAROPA REGION**

**Department of Environment and Natural Resources**

6th Flr. DENR by the Bay Bldg., 1515 Roxas Blvd., Ermita, Manila

Submitted by

**SCOTTLAND, INC. / THE LIND CORON**

2F, The Spa Building, 80 E. Rodriguez Jr. Avenue, Libis, Quezon City

## PROJECT FACT SHEET

|                                  |   |
|----------------------------------|---|
| <b>Name of the Project</b>       | Proposed Desalination Plant, Manager's Quarters with Laundry Area and Specialty Restaurant for The Lind Resort and Spa  |
| <b>Project Type</b>              | <p><u>Desalination Plant</u></p> <p>Water Supply projects (without dam) with water source (e.g. infiltration gallery, etc.) and water treatment facilities including desalination, reverse osmosis (RO) under Category 3.1.3 of Annex A – EMB MC 2014-005</p> <p><u>Manager's Quarters with Laundry Area and Specialty Restaurant</u></p> <p>Category B-2 for Resort and other tourism/leisure projects with 1,986.11 square meters (Documentary requirements and processing &amp; deciding authority of EMB MC 2014-005)</p> <p>Increase in project size parameter or auxiliary component of the original project which will either not entail exceedance of coverage thresholds or EMP can still address impacts &amp; risks arising from modification (Annex B-3 Decision Chart for determination of requirements for project modification of EMB MC 2014-005)</p> |
| <b>Location</b>                  | Sitio Tando/Lelebken, Barangay Bintuan, Coron, Palawan  |
| <b>Area</b>                      | 1,986.11 square meters  |
| <b>Proponent</b>                 | Scotland Inc.   |
| <b>Address</b>                   | 2F the Spa Building 80 Eulogio Rodriguez Jr. Ave, Bagumbayan, Quezon City, 1110 Metro Manila  |
| <b>Authorized Representative</b> | Ms. Daryl Lind Tan  |
| <b>Project Preparers</b>         | EnP. Kimberly Shane Recto, IPR4B – 024<br>Rijel Yoly Pinlac, IPCO-513<br>Czarina Isabelle Dolendo   |
| <b>Contact Details</b>           | +63917 620 0246; kimshanrecto@gmail.com   |

## INTRODUCTION

Scotland Inc., has an ongoing construction for the development of its Resort Project in Sitio Tandel/Lelebken, Barangay Bintuan, Coron, Palawan with Environment Compliance Certificate Reference No. ECC-4B-1206-0084 issued on June 14, 2012 ("Annex A") and intends to install additional facilities, namely: Desalination Plant, Laundry and Manager's Quarters and Specialty Restaurant.

The main purpose of the construction of Desalination Plant, Laundry and Manager's Quarters and Specialty Restaurant are: 1) be an effective alternative source of potable water and deemed as beneficial in mitigating extensive groundwater pumping; 2) provide convenience of housing and utilities for the managing personnel to direct the overall administration and maintenance of the Resort; and 3) deliver the best food and experience to its customer, respectively.

One of the primary objectives of the project is to ensure a sustainable and reliable water supply for the resort. By establishing a desalination plant, the resort can convert seawater into freshwater, reducing its dependence on limited local water resources. This sustainable approach not only secures the resort's operations but also contributes to the conservation of the region's natural resources.

The construction of manager's quarters with a laundry area specifically caters to the needs of the resort's management and staff. On-site laundry facilities significantly enhance operational efficiency by allowing for quicker and more convenient handling of the resort's laundry requirements. This eliminates the need to outsource laundry services, thereby reducing costs and streamlining overall management processes.

The addition of a specialty restaurant as part of the project aims to enhance the guest experience at The Lind Resort and Spa. This restaurant will offer a diverse menu featuring fresh seafood and locally sourced ingredients, all in a picturesque beachfront setting. By expanding dining options, the resort strengthens its reputation as a premier destination, attracting more guests and ensuring higher guest satisfaction.

The proposed project also brings significant economic benefits to both the local and regional levels. Construction activities generate employment opportunities, benefiting the local workforce and contributing to the community's economic growth. Additionally, expanding the resort's facilities attracts more visitors, leading to increased tourism revenue, local business growth, and an overall boost to the economy.

At present, the proposed Desalination Plant and Laundry and Manager's Quarters have started its construction. However, it was put on hold due to the reason that these structures were not included in the Initial Environmental Examination checklist. Both structures are subjected to comply new Environmental Impact Assessment (this Project Description), thus, requires amendment to the existing ECC.

The project is classified as environmentally critical project (ECP) and requires Environmental Impact Assessment before the issuance of the Environmental Compliance Certificate (ECC). Any application into the EIS system requires compliance with specific stages of the Environmental Impact Assessment (EIA) process. This process has six sequential steps to include - Screening, Scoping, EIA Study and Report Preparation, EIA Review and Evaluation, Decision Making, and Post-ECC Monitoring, Validation, and Evaluation/Audit stage. The first five stages are all proponent-driven activities while the rest are under the control of DENR-EMB 4B MIMAROPA. The proposed project is now on the second stage of the process - Public Scoping.

The Information, Education and Communication (IEC) were conducted with the concerned stakeholders on **January 27-29, 2023**. Among the stakeholders were LGU Officials, Government Offices, and Direct Impact Barangays. Social and Perception Surveys were also done with a total of 30 respondents to assess the socio-cultural, economic situation of the communities that are to be affected by the proposed project, particularly the Sitio Tandol and Lelebken in Barangay Bintuan, Coron Palawan. The proponent conducted a one-day Public Scoping on **June 15, 2023** held at Barangay Bintuan Covered Court.

## PRESENTATION OF STAKEHOLDERS

There are 60 participants that attended the Public Scoping in Barangay Bintuan in Coron, Palawan. The participants were representatives from Sitio Tandol and Lelebken, Representatives from Barangay Bintuan, Local Government Unit of Coron, Sagip Coron, Hikari SSP Farm, institutions, representatives of Proponent and the EIA Preparer.

**Table 1. List of Participants in the Public Scoping**

| No. | Name of Participant | Designation | Organization                          |
|-----|---------------------|-------------|---------------------------------------|
| 1   | Armie Mabella       | Resident    | Sitio Lelebken, Brgy. Bintuan         |
| 2   | Arnel Manonggol     | Staff       | Scotland Inc.                         |
| 3   | Bernardo Bohol      | Resident    | Brgy. Bintuan Proper                  |
| 4   | Bianca Roldan       | EMS I       | Environmental Management Bureau – 4B  |
| 5   | Chita B. Viajedor   | Resident    | Sitio Lelebken, Brgy. Bintuan         |
| 6   | Cynthia Catubig     | Resident    | Sitio Lelebken, Brgy. Bintuan         |
| 7   | Chona T. Plaza      | Resident    | Sitio Lelebken, Brgy. Bintuan         |
| 8   | Daisy Villareal     | Resident    | Sitio Lelebken, Brgy. Bintuan         |
| 9   | Edro Daco           | Staff       | Municipal Planning Development Office |

| No. | Name of Participant    | Designation          | Organization   |
|-----|------------------------|----------------------|--|
| 10  | Elmond Dela Cruz       | Tanod                | Brgy. Bintuan Proper                                   |
| 11  | Engr. John Bryan Amado | Construction Manager | Scotland Inc.  |
| 12  | Eric Dalisay           | Representative       | Hikari SSP Corporation                                 |
| 13  | Ginalyn Manuaday       | Staff                | Scotland Inc.  |
| 14  | Jacinto Bohol          | Tanod                | Brgy. Bintuan Proper                                   |
| 15  | Jackielyn Oblan        | Resident             | Sitio Lelebken, Brgy. Bintuan                          |
| 16  | Jay Dela Rio           | Scotland             | Scotland Inc.  |
| 17  | Jeneffer E. Garraez    | Representative       | BUSI   |
| 18  | Jennifer R. Musni      | Teacher              | Bintuan Highschool                                     |
| 19  | Jhay Rose S. Learzara  | Resident             | Sitio Lelebken, Brgy. Bintuan                          |
| 20  | Joanna Marin           | EMS II               | Environmental Management Bureau – 4B                   |
| 21  | Jocelyn Ablar          | Resident             | Sitio Lelebken, Brgy. Bintuan                          |
| 22  | Jocelyn D. Baldoy      | Resident             | Sitio Lelebken, Brgy. Bintuan                          |
| 23  | Jomer Oblan            | Staff                | Scotland Inc.  |
| 24  | Jonald S. Lenasic      | ENMO                 | Environmental Management Bureau – 4B                   |
| 25  | Josefa O. Cadampog     | Resident             | Sitio Lelebken, Brgy. Bintuan                          |
| 26  | Josie Felly Abaling    | Resident             | Sitio Lelebken, Brgy. Bintuan                          |
| 27  | Karl A. R. Dammay      | EMS II               | Environmental Management Bureau – 4B                   |
| 28  | Lea B. Legarda         | Resident             | Brgy. Bintuan Proper                                   |
| 29  | Lenie P. Lagrada       | Resident             | Brgy. Bintuan Proper                                   |
| 30  | Leo E. Gonzaga         | PCO/SO2              | HSSPC  |
| 31  | Lovelle M. Mortel      | Representative       | Momentum Construction & Development Corporation (MCDC) |
| 32  | Lury o. Austria        | Resident             | Brgy. Bintuan Proper                                   |
| 33  | Ma. Barbara M. Abia    | Resident             | Brgy. Bintuan Proper                                   |
| 34  | Maria Susan D. Abella  | Resident             | Brgy. Bintuan Proper                                   |

| No. | Name of Participant        | Designation      | Organization   |
|-----|----------------------------|------------------|--|
| 35  | Marissa M. Dela Cruz       | Representative   | Department of Education Coron                          |
| 36  | Marites M. Cabagar         | Resident         | Brgy. Bintuan Proper                                   |
| 37  | Marlo Regino               | Staff            | Scotland Inc.  |
| 38  | Mary Chris B. Resurreccion | Resident         | Brgy. Bintuan Proper                                   |
| 39  | Melanie Jabuen             | Resident         | Brgy. Bintuan Proper                                   |
| 40  | Melinda M. Libarra         | Resident         | Brgy. Bintuan Proper                                   |
| 42  | Merlyn Legrada             | Resident         | Brgy. Bintuan Proper                                   |
| 43  | Nenita B. Malalan          | Resident         | Sitio Lelebken, Brgy. Bintuan                          |
| 44  | Nenita C. Garrais          | Resident         | Sitio Lelebken, Brgy. Bintuan                          |
| 45  | Norlan D. Rodriguez        | Resident         | Sitio Lelebken, Brgy. Bintuan                          |
| 46  | Oliver Garcellano          | Representative   | Momentum Construction & Development Corporation (MCDC) |
| 47  | Pinky P. Gonzaga           | PCO/SO2          | HSSPC  |
| 48  | Ralph Virhel Birang        | Planning Officer | Municipal Planning Development Office                  |
| 49  | Randell B. Delos Reyes     | Representative   | Momentum Construction & Development Corporation (MCDC) |
| 50  | Recto O. Rinon Jr.         | Resident         | Brgy. Bintuan Proper                                   |
| 51  | Reyselle V. Abaca          | Resident         | Brgy. Bintuan Proper                                   |
| 52  | Rodolfo Avellanosa         | Resident         | Sitio Lelebken, Brgy. Bintuan                          |
| 53  | Rodolfo R. Casidares       | Representative   | Sagip Coron  |
| 54  | Roel Hernalin              | Representative   | Hikari SSP Corporation                                 |
| 55  | Rosalinda Avellanosa       | Resident         | Sitio Lelebken, Brgy. Bintuan                          |
| 56  | Susan May Avellanosa       | Resident         | Sitio Lelebken, Brgy. Bintuan                          |
| 57  | Vanessa A. Caabas          | Representative   | Sagip Coron  |
| 58  | Veneranda A. Cabundac      | Resident         | Sitio Lelebken, Brgy. Bintuan                          |
| 59  | Virginia M. Paranque       | Resident         | Sitio Lelebken, Brgy. Bintuan                          |
| 60  | Willson Ray Anoso          | Engineer II      | Environmental Management Bureau – 4B                   |

## SUMMARY OF PUBLIC SCOPING

The public scoping session commenced at 9:30 A.M. and concluded at 11:50 A.M. Present at the event were representatives from the Barangay, Local Government Unit (LGU) as well as National Government Agencies (NGAs).

The initial segment of the activity encompassed Participant Registration and Preliminary proceedings. Engr. John Amado, the Construction Manager of Scotland Inc. and the Representative from the Proponent, extended a warm welcome to the attendees and recognized various organizations and offices, including representatives from the LGU Community, NGAs, and non-governmental organizations. He formally started the public scoping session by delivering a welcome message and outlining the purpose of the activity. Emphasizing the significance of active participation, he urged all attendees to voice their issues and concerns regarding the proposed project.



**Figure 1. Highlights during the Public Scoping Activity on June 15, 2023 at Brgy. Bintuan, Coron, Palawan**

The subsequent segment of the activity entailed the stakeholders being presented with information regarding the Environmental Impact Assessment (EIA) Process and an overview of the project. Mr. Willson Ray Anoso commenced the presentation by explaining the EIA process required to obtain an Environmental Compliance Certificate (ECC). He emphasized that the ECC does not grant authorization for project operation but serves as a planning tool to guide project development.

During his presentation, he highlighted the primary objective behind subjecting the proposed project to the public scoping process. This step, he clarified, is crucial for identifying stakeholders' concerns and issues related to the potential positive and

negative effects of the project on the land, water, air, and the people residing in both direct and indirect impact areas. Mr. Anoso's presentation covered various aspects, ranging from project screening to environmental impact monitoring and evaluation. He also reminded the participants that the public scoping was merely the initial stage of the proponent's application process, as per DENR Administrative Order No. 2003-30.

Following the EIA Process presentation, EnP. Kimberly Shane Recto, proceeded to provide an overview of the proposed project. She emphasized that the purpose of the consultation was to acquaint the stakeholders with the project and actively involve them in the process by sharing any issues, concerns, comments, suggestions, and recommendations that could be considered during the EIA study. This aligns with the provisions outlined in PD 1586 and DAO 2003-30. The key contents of her presentation included the following:

- **Basic Project Information:** An overview of the fundamental details of the proposed project, which included relevant background information.
- **Project Description:** Detailed explanation of the project, highlighting its objectives, scope, and intended outcomes. This section provided a comprehensive understanding of the project's purpose and functionality.
- **Project Components and Technology Options:** Discussion of the various components that constitute the project and explored the available technology options that would be employed. This portion aimed to give stakeholders insights into the project's infrastructure and technological aspects.
- **Summary of Key Environmental Aspects and Impacts:** Summary of the primary environmental aspects and potential impacts associated with the proposed project. This included a discussion on how the project might affect the environment, such as its impact on land, water, air quality, and other ecological factors.
- **Project Duration:** Information on the expected timeline and duration of the project. This helped stakeholders understand the projected timeframe for project completion and its subsequent phases.
- **Information, Education, and Communication (IEC) and Perception Survey:** Highlights the importance of information dissemination, education, and communication and presentation of perception survey results.

The third segment of the event entailed an open forum, which was efficiently facilitated and moderated by Ms. Bianca Roldan from the Environmental Management Bureau – Region 4B MIMAROPA. A comprehensive summary of the issues and concerns raised by the stakeholders, along with the proponent's responses, is provided in Table\_\_.





**Figure 2. Participation of Stakeholders during the Open Forum Segment of the Public Scoping Activity**

Engr. Melvin Velasco, the representative of the proponent, formally concluded the program. He expressed appreciation for the active participation of the stakeholders and took the opportunity to remind everyone that the public scoping serves as merely the initial step in the extensive process of the proponent's Environmental Impact Statement (EIS) application.

**Table 2. Summary of Issues and Concerns raised during the Public Scoping Activity**

| Stakeholder   | Comments/Issues/Suggestions   | Proponent's Response  |
|---|---|---|
| <b>Roel Hernalin</b><br><i>Representative,</i><br><i>Hikari SSP Corporation</i> | <p>Based on the presentation, what percentage increase in brine or salt concentration will be added to the seawater, considering the current concentration ranges from 33-37 ppm?</p>   | <p>Based on preliminary assessments of the equipment, the anticipated brine or salt concentration is expected to be approximately 50-52 ppm. It should be noted, however, that the water supply will not solely rely on seawater, as rainwater and groundwater sources will also be utilized. Additionally, the implementation of a Sewage Treatment Plant (STP) will help reduce the initial concentration of the outflow from the Desalination Plant.</p> <p>Furthermore, the desalination plant will be operational only during peak seasons, depending on the required volume of water. Also, the barangay is in the planning phase of implementing a water supply program, and we plan to participate by collaborating with the barangay to provide water support/supply to the community.</p> |
|   | <p>What is the design of the Reverse Osmosis system used in the desalination plant? Does it employ old-school or modern technology? What is its water source? Is this technology similar to that used in the Middle East?</p> | <p>The design of the desalination plant has received approval in accordance with European standards. We are able to provide comprehensive details regarding the equipment that will be utilized in the plant.</p>   |

| Stakeholder  | Comments/Issues/Suggestions  | Proponent's Response   |
|--|--|--|
|  | Could you please provide more information?   |  |
|  | Where will the intake for the desalination plant be located? Will it be at a subsurface level or in the deep portion of the sea? What would be the approximate depth in meters?  | The intake for the desalination plant will be situated in the deeper portion of the sea, approximately 25 meters away from the shoreline.  |
|  | According to studies, it is recommended to direct the outflow of the desalination plant away from coral reefs and areas inhabited by marine animals. This is because the concentration of the outflow can potentially impact the salinity levels of the surrounding water, leading to fluctuations. In this regard, would it be possible for you to provide us with relevant data regarding the outflow's concentration? | <p>Certainly, there is no issue with providing the data.</p> <p>Additionally, both the intake and outflow will be strategically located in the deepest area adjacent to the property, ensuring a distance from coral reefs and shells. This decision aligns with the site development plan, which aims to keep the desalination plant away from sensitive ecological areas.</p>  |
| <b>Eric Dalisay</b><br><i>Representative,</i><br><i>Hikari SSP Corporation</i> | Why have structures already been constructed when an Environmental Compliance Certificate (ECC) is required prior to the start of the project?   | The Lind Resort and Spa already possesses an Environmental Compliance Certificate (ECC), which includes the approved structures as part of its expansion. However, the Department of Environment and Natural Resources - Environmental Management Bureau (DENR-EMB) has conducted an investigation and discovered that the names of the structures mentioned in the ECC differ from their actual names. Therefore, it is |

| Stakeholder   | Comments/Issues/Suggestions   | Proponent's Response   |
|---|---|--|
|   |   | <p>necessary for us to be more specific in naming the structures.</p> <p>For instance, in the ECC, the desalination plant was referred to as the "filter and pump room," based on the engineering concept. Moreover, the document mentions a manager's quarters, but it should be correctly identified as staff quarters.</p> <p>Furthermore, the proposed restaurant was not included in the prior ECC.</p> <p>The main concern raised by the EMB is the inconsistency in naming the structures, which needs to be addressed.</p> |
|   | Is there a centralized water treatment system in place specifically for the Specialty Restaurant?   | Yes. The restaurant is connected to the sewage treatment plant, followed by another treatment process in the desalination plant. The resulting water will be non-potable and intended for purposes such as gardening and other non-drinking activities.  |
| <b>Rodolfo R. Casidares</b><br><i>Representative,<br/>Sagip Coron</i> | During the inter-agency meeting that took place in Coron on June 23, 2022, one of the agenda items focused on the situation involving Scotland Inc. A thorough validation process was conducted on the relevant documents during the meeting. | Ms. Joanna Marin from the Environmental Management Bureau (EMB) provided a response to the question. She confirmed that a violation notice was indeed issued to Scotland Inc, listing their specific violations. One of the violations identified was the presence of structures that were   |

| Stakeholder  | Comments/Issues/Suggestions  | Proponent's Response   |
|--|--|--|
|  | <p>Upon investigation by the Environmental Management Bureau (EMB), a discrepancy was discovered between the Special Use Permit (SEP) Clearance and the Environmental Compliance Certificate (ECC). The SEP Clearance indicated a designated land area of 5 hectares for development, while the ECC stated a larger land area of 16 hectares. The EMB has emphasized that the accurate land area to be followed should be the 5 hectares specified in the SEP Clearance.</p> <p>Despite this discrepancy and violation, it is unclear why Scotland has been allowed to continue its operation.</p> | <p>not originally included in the ECC. Scotland Inc has already paid the imposed penalty for this violation.</p> <p>Currently, the requirement for Scotland Inc is to amend their ECC. The process for amending the ECC involves conducting a public scoping to include the structures under construction.</p> <p>Regarding the concern about the SEP Clearance, it is suggested that the Palawan Council for Sustainable Development (PCSD) provide a more accurate response. However, records will be checked and validated to ensure the provision of precise answers to the related questions.</p> |
| <p><b>Cynthia Catubig</b><br/> <i>Resident</i><br/> <i>Sitio Lelebken, Bintuan</i></p> | <p>As mentioned in the presentation, it is acknowledged that the desalination plant may contribute to air and water pollution, which can have negative effects on the environment as well as the residents in the surrounding area.</p> <p>What approach will Scotland take to tackle this pollution issue?</p>  | <p>Regarding pollution, Scotland Inc. has developed comprehensive measures to address various types of pollution, including water, air, and hazardous waste.</p> <p>Scotland has implemented advanced infrastructure such as Sewage Treatment Plants (STP) and desalination plant to manage water pollution. The resort ensures that no untreated water is discharged, and the majority of treated</p>   |

| Stakeholder   | Comments/Issues/Suggestions  | Proponent's Response  |
|---|--|---|
|   |  | <p>water is utilized for landscaping and gardening purposes, ergo minimizing water discharge.</p> <p>In terms of air pollution, the resort's main source is the genset, which is equipped with an air pollution control facility. This facility is included in the Environmental Management Plan (EMP) and closely monitored by the Environmental Management Bureau (EMB) to ensure compliance with air quality regulations.</p> <p>Regarding hazardous waste, the resort has implemented strict protocols to minimize the generation of waste that could potentially harm the environment. Consequently, the impact of hazardous waste on the surrounding areas is expected to be minimal or negligible.</p> <p>Due to its significant distance from residential areas, the site ensures that the impact of air pollution is kept to a minimum. Additionally, preventive measures such as regular soil sprinkling are employed during construction activities to mitigate dust generation.</p> |
| <b>Ralph Virhel Birang</b><br><i>Planning Officer</i> | Is the additional structures have zoning permit/clearnce? Is 40 meters eastement | All structures are included in the zoning permit also the 40 meters are considered in the development.  |

| Stakeholder   | Comments/Issues/Suggestions  | Proponent's Response  |
|---|--|---|
| <i>Municipal Planning Development Office</i>  | considered in the construction of desalination plant?  |   |
| <b>Nenita C. Garrais</b><br><i>Resident</i><br><i>Sitio Lelebken, Brgy. Bintuan</i> | <p>After the permit is issued, which government authority will be responsible for monitoring all facilities, including the treatment plant, in the event of any issue?</p> | <p>Mr. Karl Dammay from EMB Coron provided the answer to the question. The Environmental Management Bureau (EMB) Coron conducts annual visits to the site, along with other agencies such as PCSD, LGU, and CENRO. The Environmental Compliance Certificate (ECC) is monitored on a yearly basis. However, if there are concerns raised by residents and reported to the EMB office, regular visits to the site are conducted to ensure compliance. It is important to note that permits have an expiration date and are visited yearly.</p> <p>In addition, the monitoring process also encompasses verifying whether Scotland implements and addresses all the mitigation measures outlined in their Environmental Management Plan.</p> |
| <b>Roel Hernalin</b><br><i>Representative,</i><br><i>Hikari SSP Corporation</i>     | Is there existing baseline data available prior to the operation of the Sewage Treatment Plant (STP)?  | After conducting the environmental assessment, the data be provided and presented during the public hearing.  |



## PROPOSED DESIGN OF PUBLIC CONSULTATION

Public consultation plays a critical role in collecting input and feedback from the public to consider during the decision-making process. It acknowledges that the public possesses the ability to comprehend complex issues, while decision-makers may not necessarily be subject matter experts.

By allowing the community and other stakeholders to participate in the process, an organization demonstrates its commitment to effective management of its responsibilities and transparent communication of environmental stewardship. This fosters respect and trust from authorities and stakeholders, paving the way for permit and license applications. From the perspective of stakeholders, participation in the process provides an opportunity to raise concerns regarding potential adverse impacts that should be avoided or mitigated, ultimately improving their quality of life.

Effective and fair engagement with stakeholders facilitates the identification of key concerns, potential solutions, and the inclusion of relevant local or traditional knowledge. This ensures that environmental considerations are thoroughly addressed during the planning, design, and decision-making stages of proposals that may significantly impact the environment. The ultimate goal is to minimize any potential negative effects associated with a proposal or activity.

To ensure best practices in public consultation within the Environmental Assessment (EA) process, the proponent will adhere to established guidelines such as the World Bank's "Public Consultation in the EA Process: A Strategic Approach" and DEAT's (2002) "Stakeholder Engagement." These resources offer strategic guidance on effectively planning, implementing, and monitoring public consultation, with a focus on enhancing project sustainability and safeguarding the interests of affected communities, particularly those who are economically disadvantaged or vulnerable.

The proponent of the project integrates the essential components of effective and strategic public consultation within the Environmental Impact Assessment (EIA) process. This includes the following key elements:

- **Proactive Planning:** The proponent engages in forward planning by developing a schedule and allocating sufficient resources for community engagement. A Stakeholder Engagement Plan is prepared to guide the consultation activities throughout the main EIA studies phase. This plan helps streamline the process, save time, reduce costs, and manage stakeholders' expectations effectively.
- **Key Questions and Strategic Reasons:** The Stakeholder Engagement Plan addresses several key questions to provide a clear direction for the consultation process. These questions include determining the strategic reasons for



engaging stakeholders at this stage, identifying the relevant stakeholders to be consulted, prioritizing the key issues, determining the most effective communication methods, assigning responsibilities within the company, considering other engagement activities within the proposed timeframe, and establishing how results will be captured, tracked, reported, and disseminated.

- **Development of an Engagement Plan:** It is essential to formulate an Engagement Plan that outlines strategies, resources, and timelines. This plan ensures that the consultation objectives are successfully achieved. The nature, scale, and frequency of engagement activities should be commensurate with the level of risks and potential impacts associated with the project.


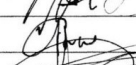
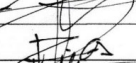

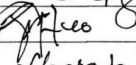
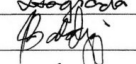
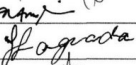
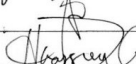
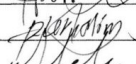
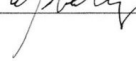







By incorporating these elements, the proponent can effectively engage with stakeholders, address concerns, and ensure that the consultation process aligns with project requirements and regulatory standards.

## ANNEX I : ATTENDANCE SHEET

### PUBLIC SCOPING FOR THE PROPOSED DESALINATION PLANT, MANAGER'S QUARTERS WITH LAUNDRY AREA AND SPECIALTY RESTAURANT FOR THE LIND RESORT AND SPA OF SCOTTLAND INC.

June 15, 2023  
Bintuan Covered Court, Barangay Bintuan,  
Municipality of Coron

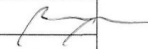
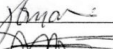
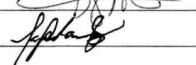
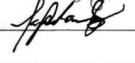
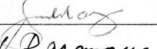
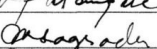
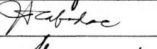
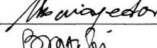

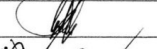
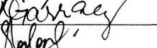

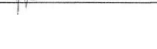



#### ATTENDANCE SHEET

| NAME                  | OFFICE/DESIGNATION | CONTACT NUMBER | EMAIL ADDRESS   | SIGNATURE   |
|-----------------------|--------------------|----------------|---|---|
| Mr. JAD Dela Cruz     | SCOTTLAND          | 0907 500 8910  | ralphjgdp@icloud.com  |    |
| JOHN DEAN             | SCOTTLAND          | 0935 208 4298  |   |    |
| MARLO REGINO          | SCOTTLAND          | 09600905587    |   |    |
| ANNE MASONGON         | SCOTTLAND          | 09477144675    |   |    |
| Rodolfo P. Vellones   | LELEQUEEN          |                |   |    |
| LURY O. AUSTRIA       | BINTUAN            | 09357823947    |   |   |
| Princy P. GONZAGA     | -HSSPC- PCO/502    | 89957856606    | pnxpal@gmail.com  |  |
| LED P. GONZAGA        | -HSSPC- City. Ofcr |                |   |  |
| LEA E. LAGRADA        | PROPER             |                |   |  |
| Jocelyn D. Baldry     | Lebequeen          | 099779420701   |   |  |
| Meina M. Libarua      | PROPER             | 0906 1458664   |  |  |
| LENIE P. LAGRADA      | PROPER             |                |   |  |
| JOHN JOHN BRYAN AMADO | SCOTTLAND          | 09985425116    |   |  |
| Ginalyn Manunday      | SCOTTLAND          | 09461655634    |   |  |
| DOEL HERNALINI        | HIRARI             | 0966700999     |   |  |
| ERIC DAUSA            | HIRARI             |                |   |  |

**PUBLIC SCOPING FOR THE PROPOSED DESALINATION PLANT, MANAGER'S QUARTERS WITH LAUNDRY AREA AND SPECIALTY RESTAURANT FOR THE LIND RESORT AND SPA OF SCOTTLAND INC.**

June 15, 2023  
Bintuan Covered Court, Barangay Bintuan,  
Municipality of Coron

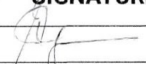
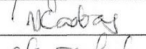
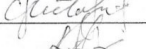
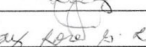
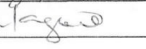
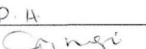
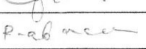

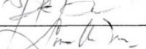

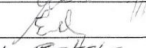
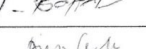
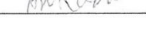
**ATTENDANCE SHEET**

| NAME                 | OFFICE/DESIGNATION | CONTACT NUMBER | EMAIL ADDRESS                | SIGNATURE   |
|----------------------|--------------------|----------------|------------------------------|---|
| BIANCA KORDAN        | EMB 4B / EMS I     | 09954274037    | bianca.kordan@emb.gov.ph     |    |
| JOANNA MARIN         | EMB 4B / EMS II    | 0930 037 2946  | joannamarin@emb.gov.ph       |    |
| WILLSONE RAY ANOSO   | EMB 4B / ENGR II   | 09055079980    | willsoneray-anoso@emb.gov.ph |    |
| KARL M.R. DAMMAY     | EMB 4B / EMS II    | 0917 602 5807  | karl.dammay@emb.gov.ph       |    |
| JONALD S. LERASIL    | EMB 4B / ENMD      |                | jonald.lerasil@emb.gov.ph    |    |
| MARISA M. DE LA CRUZ | DEPTED             | 09459800164    |                              |    |
| Virginia M. Palangue |                    |                |                              |    |
| Meskeyn S. Lagrada   |                    | 0936 683 5371  |                              |   |
| Veneranda A. Cabalac |                    | 09675079989    |                              |  |
| Chita B. Viafedor    |                    | 09650382464    |                              |  |
| Ma. Barbara M. Abia  |                    | 09068408983    |                              |  |
| Ralph Virhel Pirang  | MPDO / P.O.        | 09812172512    |                              |  |
| EDRO DAGO            | MPDO STAFF         | 0970 236 8000  |                              |  |
| Nemita C. Garragay   |                    |                |                              |  |
| Hortan D. Rodriguez  | Resident           | 09301768560    |                              |  |
| CHONA J. PLAZA       | Resident           |                |                              |  |

**PUBLIC SCOPING FOR THE PROPOSED DESALINATION PLANT, MANAGER'S QUARTERS WITH LAUNDRY AREA AND SPECIALTY RESTAURANT FOR THE LIND RESORT AND SPA OF SCOTTLAND INC.**

June 15, 2023  
Bintuan Covered Court, Barangay Bintuan,  
Municipality of Coron

**ATTENDANCE SHEET**

| NAME                 | OFFICE/DESIGNATION | CONTACT NUMBER | EMAIL ADDRESS               | SIGNATURE   |
|----------------------|--------------------|----------------|-----------------------------|---|
| RUDOLFO B. CAMBER    | SAGIP CORON        | 0917 957 9108  |                             |    |
| Vanessa A. Cadogan   | SAGIP CORON        | 0921 727 0948  | Vanessacadogan@yahoo.com    |    |
| RECTOR O. RINCON JR. | DEPED              | 0926 6316 833  | rectorinonadeped@coron.ph   |    |
| Jonald J. Linares    | ENB                | 0917 291 425   | Jonald_Linares_emb@coron.ph |    |
| Dr. Lore B. Zearson  | BNS                | 0953 3310 881  |                             |    |
| Daisy Villanar       |                    |                |                             |    |
| Maria Susan D. Abela |                    |                |                             | M. D. H.  |
| JENNYFER R. MUSNI    | TEACHER/BHS        | 8416 328 0321  |                             |    |
| REYJENE V. ABACA     | resident           | 0935 413 9453  |                             | P. abaca  |
| JENNEFER E. CARRAEZ  | BVSI               | 0997 942 0763  |                             |    |
| RANDELL P. TELUSPANA | NOTIC              | 0977 107 457   |                             |   |
| LOVELLE M. MORTAL    | MCDC               | 0917 894 488   | lovelle.mortal@gmail.com    |  |
| OLIVER CARCELANO     | MCDC               | 0917 511 8968  | oiegarcellan@yahoo.com      |  |
| Edmundo Dela Cruz    | TAMOD              |                |                             |  |
| ISCINTO - KOFFAL     | TAMOD              | 0956 117 0514  |                             | J. Koffal   |
| Armic Mabelia        |                    |                |                             |  |

**PUBLIC SCOPING FOR THE PROPOSED DESALINATION PLANT, MANAGER'S QUARTERS WITH LAUNDRY AREA AND SPECIALTY RESTAURANT FOR THE LIND RESORT AND SPA OF SCOTTLAND INC.**

June 15, 2023  
Bintuan Covered Court, Barangay Bintuan,  
Municipality of Coron

## ATTENDANCE SHEET

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**PUBLIC SCOPING FOR THE F**

Bintuan Covered Court, Barangay Bintuan,  
Municipality of Coron

## ATTENDANCE SHEET

[illegible]



## ANNEX II: DULY RECEIVED INVITATION LETTERS



Department of Environment and Natural Resources  
Environmental Management Bureau  
MIMAROPA Region

May 31, 2023

**HON. LARRY BACONES PE**

Chairman  
BARANGAY BINTUAN  
Coron, Palawan

SUBJECT: **REQUEST FOR PUBLIC SCOPING FOR THE PROPOSED DESALINATION PLANT, MANAGER'S QUARTERS WITH LAUNDRY AREA AND SPECIALTY RESTAURANT FOR THE LIND RESORT AND SPA OF SCOTTLAND INC.**

Dear Chairman *Pe*:

We are pleased to invite you to attend the Public Scoping for the Proposed Desalination Plant, Manager's Quarters with Laundry Area and Specialty Restaurant for The Lind Resort and Spa ("Project") to be located at *Sitio Tandol/Lelebken, Barangay Bintuan, Coron, Palawan*. The said activity is scheduled on:

| DATE/TIME  | VENUE                          |
|--|--------------------------------|
| <b>15 June 2023</b> (Thursday) / 9:00 AM<br>(Registration starts at 8:30 AM) | Barangay Bintuan Covered Court |

We would appreciate it very much if you could encourage the active participation of all your Barangay Council Members and sectoral leaders, including but not limited to the following:

1. Barangay Environment Officer
2. Barangay Health Worker
3. Barangay Social Development Worker
4. Representatives from the Senior Citizens' Association, Women's Association, Fishermen's Association and other concerned NGOs
5. Residents of Barangay Bintuan (Sitio Lelebken)
6. Other interested parties

The public scoping is an early stage in the Environmental Impact Assessment Process where the proponent aims to provide an overview of the proposed project, proposed action, gather issues and concerns, and other relevant information to provide the scope of work and terms of reference for the preparation of Environmental Impact Statement.

A copy of the Project Description for Scoping is downloadable at the EMB Region IV-B MIMAROPA website: <http://mimaropa.emb.gov.ph> (kindly access the Notice of Public Scoping link found at the lower-right portion of our website).

For more information about the EIS system and EIA process, please visit the **Provincial Environmental Management Unit (PEMU) Palawan Office** at PENRO Compound, Brgy. Sta. Monica, Puerto Princesa City or email us at [embmimaropa@emb.gov.ph](mailto:embmimaropa@emb.gov.ph) and contact us at **(02) 8633 2587**.

Thank you and we look forward to your active participation.

Sincerely,



Digitally signed  
by Environmental  
Management  
Bureau-  
MIMAROPA  
Region  
Date: 2023.05.31  
16:29:38 +08'00'

  
**JOE AMIL M. SALINO**  
Regional Director



PENRO Compound, Brgy. Suqui, Calapan City, Oriental Mindoro  
Regional Satellite Office: 6<sup>th</sup> Floor DENR by the Bay Bldg., 1515 Roxas Blvd., Ermita, Manila  
Office of the Regional Director: **(02) 8536 9786**; Finance and Administrative Division: **(02) 8536 9786**;  
Environmental Management and Enforcement Division: **(02) 8633 2587**.





Department of Environment and Natural Resources  
Environmental Management Bureau  
MIMAROPA Region

May 31, 2023

REPRESENTATIVE  
SAGIP CORON

SUBJECT: REQUEST FOR PUBLIC SCOPING FOR THE PROPOSED  
DESALINATION PLANT, MANAGER'S QUARTERS WITH LAUNDRY  
AREA AND SPECIALTY RESTAURANT FOR THE LIND RESORT  
AND SPA OF SCOTTLAND INC.

Dear Sir/Madame:

We are pleased to invite you to attend the Public Scoping for the Proposed Desalination Plant, Manager's Quarters with Laundry Area and Specialty Restaurant for The Lind Resort and Spa ("Project") to be located at *Sitio Tandol/Lelebken, Barangay Bintuan, Coron, Palawan*. The said activity is scheduled on:

| DATE/TIME   | VENUE                          |
|---|--------------------------------|
| 15 June 2023 (Thursday) / 9:00 AM<br>(Registration starts at 8:30 AM) | Barangay Bintuan Covered Court |

We would appreciate it very much if you could encourage the active participation of your authorized personnel representative and manager.

The public scoping is an early stage in the Environmental Impact Assessment Process where the proponent aims to provide an overview of the proposed project, proposed action, gather issues and concerns, and other relevant information to provide the scope of work and terms of reference for the preparation of Environmental Impact Statement.

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Thank you and we look forward to your active participation.

Sincerely,

  
JOE AMIL M. SALINO  
Regional Director



06-15-2023  
RUX C. S. [Signature]  
PENRO Compound, Brgy. Suqui, Calapan City, Oriental Mindoro  
Regional Satellite Office: 6<sup>th</sup> Floor DENR by the Bay Bldg., 1515 Roxas Blvd., Ermita, Manila  
Office of the Regional Director: (02) 8536 9786; Finance and Administrative Division: (02) 8536 9786;  
Environmental Management and Enforcement Division: (02) 8633 2587







Department of Environment and Natural Resources  
Environmental Management Bureau  
MIMAROPA Region

May 31, 2023

**PRES. LOVEL LOSAÑES**

Owner/President

**HIKARI PEARL FARM INC.**

Barangay Bintuan, Coron Palawan

SUBJECT: **REQUEST FOR PUBLIC SCOPING FOR THE PROPOSED  
DESALINATION PLANT, MANAGER'S QUARTERS WITH LAUNDRY  
AREA AND SPECIALTY RESTAURANT FOR THE LIND RESORT  
AND SPA OF SCOTTLAND INC.**

Dear *Mayor Reyes*:

We are pleased to invite you to attend the Public Scoping for the Proposed Desalination Plant, Manager's Quarters with Laundry Area and Specialty Restaurant for The Lind Resort and Spa ("Project") to be located at *Sitio Tando/Lelebken, Barangay Bintuan, Coron, Palawan*. The said activity is scheduled on:

| DATE/TIME  | VENUE                          |
|--|--------------------------------|
| <b>15 June 2023</b> (Thursday) / 9:00 AM<br>(Registration starts at 8:30 AM) | Barangay Bintuan Covered Court |

We would appreciate it very much if you could encourage the active participation of your authorized personnel representative and manager.

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Thank you and we look forward to your active participation.

Sincerely,

  
**JOE AMIL M. SALINO**  
Regional Director



*Pres. Lovel - 6/15/23*

PENRO Compound, Brgy. Suqui, Calapan City, Oriental Mindoro  
Regional Satellite Office: 6<sup>th</sup> Floor DENR by the Bay Bldg., 1515 Roxas Blvd., Ermita, Manila  
Office of the Regional Director: **(02) 8536 9786**; Finance and Administrative Division: **(02) 8536 9786**;  
Environmental Management and Enforcement Division: **(02) 8633 2587**





Department of Environment and Natural Resources  
Environmental Management Bureau  
MIMAROPA Region

May 31, 2023

**HON. MARIO T. REYES**

Mayor  
MUNICIPALITY OF CORON  
Barangay Poblacion 2, Coron Palawan

SUBJECT: **REQUEST FOR PUBLIC SCOPING FOR THE PROPOSED  
DESALINATION PLANT, MANAGER'S QUARTERS WITH LAUNDRY  
AREA AND SPECIALTY RESTAURANT FOR THE LIND RESORT  
AND SPA OF SCOTTLAND INC.**

Dear *Mayor Reyes*:

We are pleased to invite you to attend the Public Scoping for the Proposed Desalination Plant, Manager's Quarters with Laundry Area and Specialty Restaurant for The Lind Resort and Spa ("Project") to be located at *Sitio Tando/Lebken, Barangay Bintuan, Coron, Palawan*. The said activity is scheduled on:

| DATE/TIME  | VENUE                          |
|--|--------------------------------|
| <b>15 June 2023</b> (Thursday) / 9:00 AM<br>(Registration starts at 8:30 AM) | Barangay Bintuan Covered Court |

We would appreciate it very much if you could encourage the active participation of all your Barangay Council Members and sectoral leaders, including but not limited to the following:

1. Municipal Vice Mayor
2. Municipal Councilor/ Chairman on Environment and Natural Resources
3. Municipal Planning and Development Office Coordinator/Zoning Officer
4. Municipal Health Doctor

The public scoping is an early stage in the Environmental Impact Assessment Process where the proponent aims to provide an overview of the proposed project, proposed action, gather issues and concerns, and other relevant information to provide the scope of work and terms of reference for the preparation of Environmental Impact Statement.

A copy of the Project Description for Scoping is downloadable at the EMB Region IV-B MIMAROPA website: <http://mimaropa.emb.gov.ph> (kindly access the Notice of Public Scoping link found at the lower-right portion of our website).

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Thank you and we look forward to your active participation.

Sincerely,

Received by: *Ralph Vintal Biring*

  
**JOE AMIL M. SALINO**  
Regional Director  
  
Digitally signed  
by Environmental  
Management  
Bureau-  
MIMAROPA  
Region  
Date: 2023.05.31  
16:33:02 +08'00'



PENRO Compound, Brgy. Suqui, Calapan City, Oriental Mindoro  
Regional Satellite Office: 6<sup>th</sup> Floor DENR by the Bay Bldg., 1515 Roxas Blvd., Ermita, Manila  
Office of the Regional Director: **(02) 8536 9786**; Finance and Administrative Division: **(02) 8536 9786**;  
Environmental Management and Enforcement Division: **(02) 8633 2587**



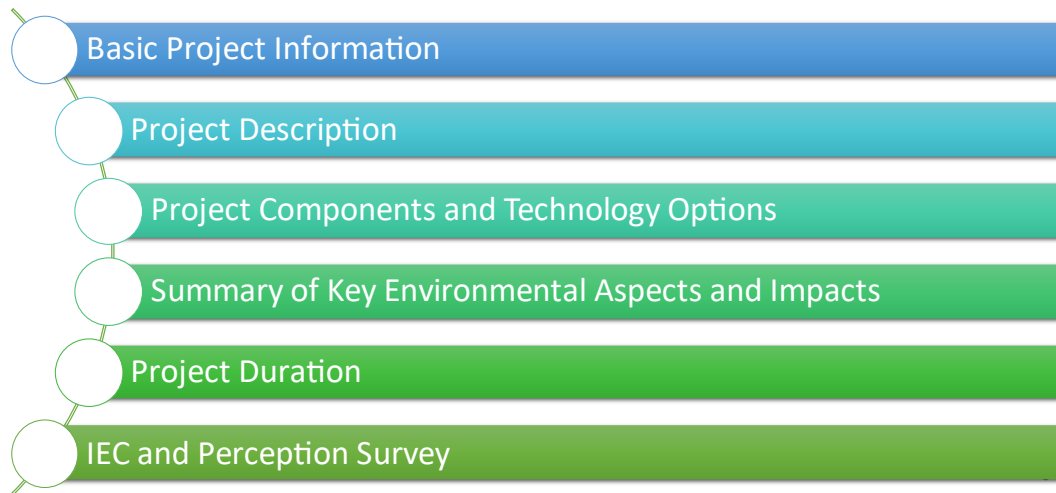
## ANNEX III : PRESENTATION MATERIAL



## PROGRAM

| Time                 | Program   | Resource Person                 |
|----------------------|---|---------------------------------|
| 8:00 AM – 8:30 AM    | Registration  |                                 |
| 9:00 AM -9:30 AM     | Preliminaries<br>Opening Prayer, Acknowledgment of Participants     | Proponent/Lind Representative   |
| 9:30 AM -9:45 AM     | Opening Remarks   | Proponent/LGU Representative    |
| 9:45 AM -10:15 AM    | Overview of Philippine Environmental Impact Assessment (EIA) System | EMB Representative              |
| 10:15 AM – 11:00 AM  | Presentation  | EIA Preparer: Rijel Yoly Pinlac |
| 11:00 AM -12:00 Noon | Open Forum  |                                 |
| 12:00 Noon           | End of the Public Scoping   |                                 |

# OUTLINE OF PRESENTATION



## BASIC PROJECT INFORMATION



|                                  |  |
|----------------------------------|--|
| Name of the Project              | Proposed Desalination Plant, Manager's Quarters with Laundry Area and Specialty Restaurant for The Lind Resort and Spa |
| Project Type                     | Water Supply Project and Resort and other tourism/leisure projects   |
| Location                         | Sitio Tandol/Lelebken, Barangay Bintuan, Coron, Palawan  |
| Project Size /Area               | 1,986.11 square meters   |
| Proponent's Name                 | Scotland Inc.  |
| Company Representative/ Position | Ms. Daryl Lind Tan / Representative  |



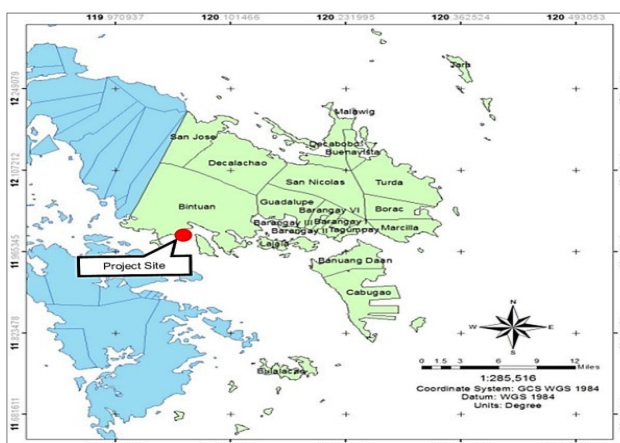


## PROJECT LOCATION AND AREA



The Proposed Desalination Plant, Manager's Quarters and Specialty Restaurant is to be sited in an aggregate land area of 1,986.11 square meters (sq.m.) lot within Scotland Inc.'s existing lot complex located at Sitio Tandol, Barangay Bintuan, Coron, Palawan.

It lies within the geographical coordinates of 11°59'54.49"N and 120°02'48.95"E.





## PROJECT RATIONALE



The proposed project for The Lind Resort and Spa aims to overcome limited freshwater availability and improve sustainability. The desalination plant provides a reliable water supply by converting seawater into freshwater, reducing reliance on local sources. On-site facilities for managers and laundry enhance efficiency, while the specialty restaurant enhances the guest experience and attracts more visitors.

The project also brings economic benefits through employment opportunities and increased tourism revenue.

## OBJECTIVES



The proposed project at The Lind Resort and Spa aims to enhance sustainability, operational efficiency, and the guest experience.

The specific objectives are to **improve** existing facilities, **support** tourism development in Barangay Bintuan, and **uplift** the socio-economic conditions of the local community through job creation.

9

## PROJECT SIZE AND COMPONENTS



The desalination plant has a total area of 384.51 square meters.

| Components                   | Area (sq.m.)  |
|------------------------------|---------------|
| <b>Desalination Plant</b>    |               |
| 1. Rainwater Tank            | 114.9         |
| 2. Potable Tank              | 112.65        |
| 3. Raw Water Tank            | 38.02         |
| 4. Non-Potable Tank          | 58.23         |
| 5. Transfer Pump Room        | 38.07         |
| 6. Walkway (Stair Inclusive) | 22.64         |
| <b>TOTAL</b>                 | <b>384.51</b> |

10

## PROJECT SIZE AND COMPONENTS



| Components                                     | Area<br>(sq.m.) |
|--|-----------------|
| Lower Ground Floor Plan<br>(Manager's Quarter) | 191.9           |
| Ground Floor Plan (Laundry)                    | 432.62          |
| Second Floor Plan (Manager's<br>Quarter)       | 529.48          |
| Roof Deck                                      | 580.23          |
| <b>TOTAL</b>                                   | <b>2,118.74</b> |

The laundry and manager's quarter building has total area of 2,118.74 square meters that will consist of manager's quarters, male and female dormitory, toilet, porch, store room, sorting/receiving and folding area, housekeeping office, laundry office, and laundry area.

11

## PROJECT SIZE AND COMPONENTS



| Components           | Area<br>(sq.m.) |
|----------------------|-----------------|
| Specialty Restaurant | 609.354         |
| <b>TOTAL</b>         | <b>609.354</b>  |

This specialty restaurant will offer international cuisine and serves fresh seafood delicacies and likewise the restaurant can be used as resting area.

12



## PROJECT SIZE AND COMPONENTS



| Components           | Area<br>(sq.m.) |
|----------------------|-----------------|
| Specialty Restaurant | 609.354         |
| <b>TOTAL</b>         | <b>609.354</b>  |

This specialty restaurant will offer international cuisine and serves fresh seafood delicacies and likewise the restaurant can be used as resting area.

12

## PROCESS TECHNOLOGY / UTILITIES



### Building Construction

| Particular                     | Description   |
|--------------------------------|---|
| Electrical System Installation | all electrical installations shall conform to specifications of Busuanga Island Electric Cooperative, Inc (BISELCO)                               |
| Mechanical System Installation | All mechanical works for the proposed project will be executed in strict compliance with the Philippine Mechanical Engineering Code, 1984 Edition |
| Construction Materials         | The proposed Expansion Project of The Lind Resort and Spa will prioritize the use of locally sourced construction materials                       |

## RESOURCE UTILIZATION



The propose project will source out its water requirement from existing water system in the affected local government units. meanwhile, power for the temporary facilities is expected to be sourced from Busuanga Island Electric Cooperative, Inc.

Generators will also be used to power construction sites far from the BISELCO power lines. No other alternatives were considered for water and power resources.

## SUMMARY OF KEY ENVIRONMENTAL ASPECTS AND IMPACTS



| Environmental Aspects                    | Significant Impacts  | Control Measures   |
|--|--|--|
| <b>Pre-Construction and Construction</b> |  |  |
| <b>Land</b>                              | <ul style="list-style-type: none"><li>· Generation of sewage and solid waste</li></ul> | <ul style="list-style-type: none"><li>· Provide portable toilets for workers;</li><li>· Provide garbage bins in strategic locations;</li><li>· Implementation of waste segregation and reuse/recycle the recyclables; and</li><li>· Proper disposal of non-recyclable wastes through a DENR accredited contractor.</li></ul> |

## SUMMARY OF KEY ENVIRONMENTAL ASPECTS AND IMPACTS



| Environmental Aspects                    | Significant Impacts   | Control Measures   |
|--|---|--|
| <b>Pre-Construction and Construction</b> |   |  |
| <b>Water</b>                             | <ul style="list-style-type: none"> <li>· Pollution of ground and surface water by oil spills in construction sites</li> <li>· Sedimentation and turbidity of nearest body of water</li> </ul> | <ul style="list-style-type: none"> <li>· Avoidance and proper disposal of used oils from construction equipment and heavy machineries</li> <li>· Practice strict implementation of proper solid and hazardous waste management</li> <li>· Install silt and erosion control facilities in every construction area prior to the commencement of any construction activities</li> </ul> |

## SUMMARY OF KEY ENVIRONMENTAL ASPECTS AND IMPACTS



| Environmental Aspects                    | Significant Impacts   | Control Measures   |
|--|---|--|
| <b>Pre-Construction and Construction</b> |   |  |
| <b>Air</b>                               | <ul style="list-style-type: none"> <li>· Dust and noise pollution from construction of road facilities</li> <li>· Increase in noise and vibration levels</li> </ul> | <ul style="list-style-type: none"> <li>· Regular wetting of dusty, exposed areas, and maintain speed of delivery trucks and vehicles to a minimum.</li> <li>· Set the speed limit of delivery trucks to minimum;</li> <li>· Limit high noise generating works during daytime (8AM-5PM);</li> <li>· Provision of PPEs (ear muffers) to workers; and</li> <li>· Erect noise barriers (temporary walls).</li> </ul> |

## SUMMARY OF KEY ENVIRONMENTAL ASPECTS AND IMPACTS



| Environmental Aspects                    | Significant Impacts  | Control Measures   |
|--|--|--|
| <b>Pre-Construction and Construction</b> |  |  |
| <b>People</b>                            | <ul style="list-style-type: none"> <li>Improvement in infrastructures and social services</li> <li>Increase in local employment</li> </ul> | <ul style="list-style-type: none"> <li>Diligent payment of taxes/revenues</li> <li>Priority hiring for qualified local residents without discrimination to women.</li> </ul> |

## SUMMARY OF KEY ENVIRONMENTAL ASPECTS AND IMPACTS



| Environmental Aspects | Significant Impacts  | Control Measures   |
|-----------------------|--|--|
| <b>Operation</b>      |  |  |
| <b>Land</b>           | <ul style="list-style-type: none"> <li>Domestic Waste Generation</li> </ul>  | <ul style="list-style-type: none"> <li>Coordinate with the local government in collection of solid wastes</li> <li>Establish trash bins around the premises</li> </ul>   |
| <b>Water</b>          | <ul style="list-style-type: none"> <li>Water pollution caused by treatment (desalination plant) by - products</li> </ul> | <ul style="list-style-type: none"> <li>Installation of grease traps</li> <li>Observe road safety</li> <li>Provide strict caution on trucks and vehicles carrying hazardous materials</li> <li>Quarterly water quality monitoring of the affected water bodies</li> </ul> |

## SUMMARY OF KEY ENVIRONMENTAL ASPECTS AND IMPACTS



| Environmental Aspects | Significant Impacts  | Control Measures   |
|-----------------------|--|--|
| <b>Operation</b>      |  |  |
| <b>Air</b>            | <ul style="list-style-type: none"> <li>Air Pollution/Contribution to greenhouse gas emissions</li> </ul> | <ul style="list-style-type: none"> <li>Use of renewable energy such as solar, wind, and hydroelectric power for electricity</li> <li>Implement energy -efficient technologies and practices by using energy -efficient appliances and processes, and promoting fuel -efficient vehicles</li> <li>Establish buffer zone between facilities</li> </ul> |

## SUMMARY OF KEY ENVIRONMENTAL ASPECTS AND IMPACTS



| Environmental Aspects | Significant Impacts   | Control Measures  |
|-----------------------|---|---|
| <b>Operation</b>      |   |   |
| <b>People</b>         | <ul style="list-style-type: none"> <li>Uncontrollable influx of tourists and visitors</li> <li>Increased revenue for the LGU and host barangay</li> </ul> | <ul style="list-style-type: none"> <li>Develop a comprehensive destination management plan that includes strategies for visitor management</li> </ul> |

### Abandonment Phase

There are no intentions to abandon the facilities

## PROJECT DURATION



The proposed Project is scheduled to commence in the middle of 2023 and is anticipated to have a construction/installation period of approximately fourteen (14) months

| Activity  | Calendar Months |     |     |      |     |     |     |     |     |     |     |     |     |     |
|---|-----------------|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|   | Jun             | Jul | Aug | Sept | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul |
| Project initiation and mobilization   |                 |     |     |      |     |     |     |     |     |     |     |     |     |     |
| Continuation of the ongoing construction of Desalination Plant and Manager's Quarters             |                 |     |     |      |     |     |     |     |     |     |     |     |     |     |
| Site preparation and clearing for Specialty Restaurant  |                 |     |     |      |     |     |     |     |     |     |     |     |     |     |
| Construction of the specialty restaurant  |                 |     |     |      |     |     |     |     |     |     |     |     |     |     |
| Interior fitout and finishing works for all project components                                    |                 |     |     |      |     |     |     |     |     |     |     |     |     |     |
| Installation of necessary equipment and systems   |                 |     |     |      |     |     |     |     |     |     |     |     |     |     |
| Testing and commissioning of the desalination plant, manager's quarters, and specialty restaurant |                 |     |     |      |     |     |     |     |     |     |     |     |     |     |
| Final inspections and handover of completed project   |                 |     |     |      |     |     |     |     |     |     |     |     |     |     |

## IEC AND PERCEPTION SURVEY



The IEC session took place on January 27, 2023, at 9:30 in the morning at the Barangay Hall of Bintuan. The session was attended by Barangay Councilor Martin Abaca



*Courtesy Visit and Submission of IEC Materials to Brgy. Bintuan Barangay Representative*

# IEC AND PERCEPTION SURVEY



## Perception Survey at Brgy. Bintuan Proper with Barangay Volunteers and local residents



# IEC AND PERCEPTION SURVEY



## Perception Survey at Sitio Lelebken, Brgy. Bintuan





# IEC AND PERCEPTION SURVEY



## Perception Survey at Sitio Lelebken, Brgy. Bintuan

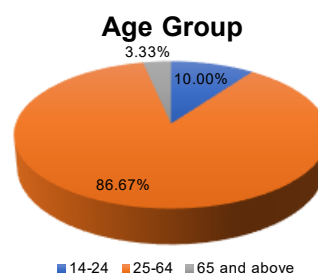
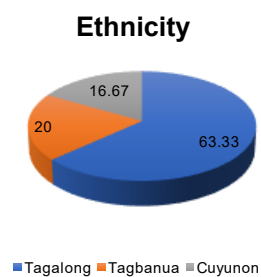
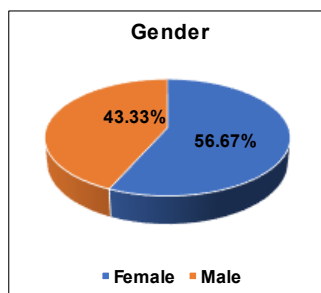


# IEC AND PERCEPTION SURVEY



IPS were conducted after the conduct of IEC in Barangay Bintuan. Survey questionnaires were distributed to the participants that is written in both English and in Filipino. Following Roscoe's Rule of Thumb for determining sample size, a minimum of thirty (30) samples was established. Results are presented below:

## Demography



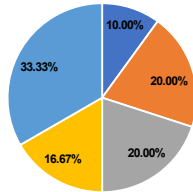


# IEC AND PERCEPTION SURVEY



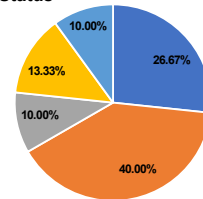
**Educational Attainment**

- Elementary Graduate
- High School Level
- High School Graduate
- College Level
- College Graduate



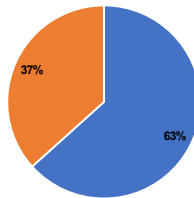
**Civil Status**

- Single (Walang-asawa)
- Married (May-asawa)
- Widowed (Biyodo/Biyuda)
- Separated (Hiwalay sa asawa)
- Common Law (Live-in)



**Status of Residency**

- Live more than 15 years
- Live less than 15 years

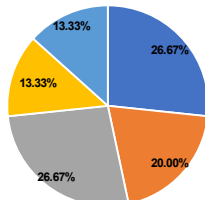


# IEC AND PERCEPTION SURVEY



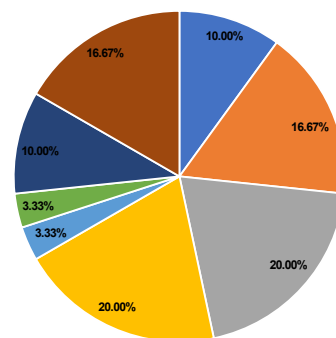
**Monthly Income range**

- PhP 3,500
- PhP 8,501 - 10,481
- PhP 10,482 - 20,000
- PhP 20,001 - 42,000
- Prefer not to say



**Source of Income**

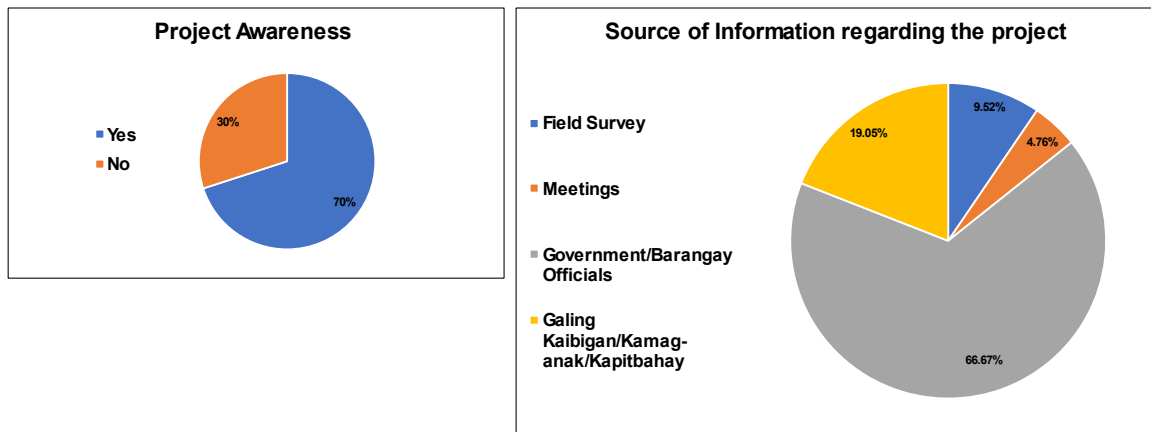
- Farming
- Fishing
- Government employee (e.g. barangay official, teacher, health worker, etc.)
- Private employee (e.g. manager, clerk, messenger, secretary, etc.)
- Business owner (e.g. sari-sari store, vendor, shop owner, etc.)
- Skilled worker (e.g. carpenter, mason, welder, etc.)
- Laborer (e.g. construction, factory worker, etc.)
- Unemployed



# IEC AND PERCEPTION SURVEY



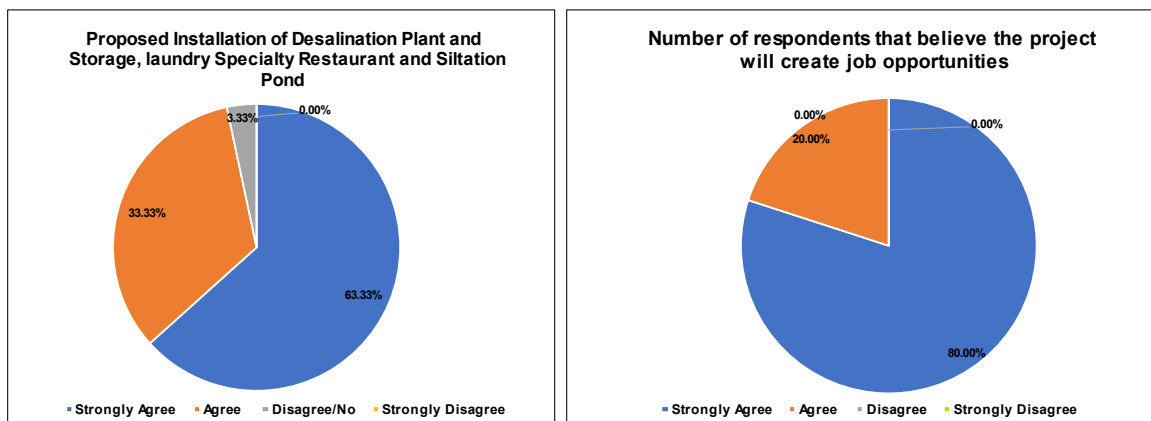
## Awareness of the Project



# IEC AND PERCEPTION SURVEY



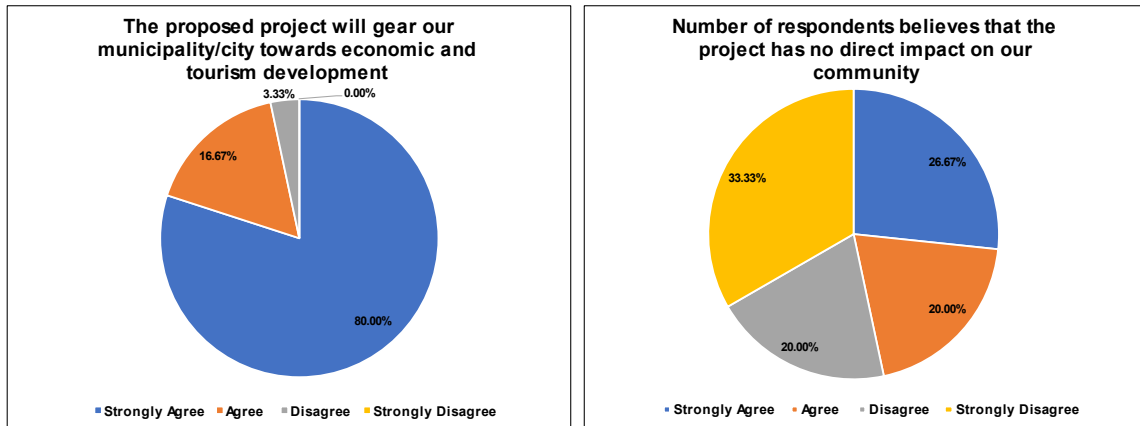
## Perception towards the Project



## IEC AND PERCEPTION SURVEY



### Perception towards the Project



## IEC AND PERCEPTION SURVEY



### Perception towards the Project

