

PROJECT DESCRIPTION FOR SCOPING (PDS)

Proposed Steel Mill Project

Liansheng Manufacturing Corporation

Brgy. Balsik, Hermosa, Bataan

1. BASIC PROJECT INFORMATION

Project Information	
Name of Project	Proposed Steel Mill Project
Location	Purok 1, Brgy. Balsik, Jose Abad Santos Ave., Hermosa, Bataan
Background and Nature of Project	Liansheng will engage in the business of smelting and manufacturing /production of different kinds of steels. However, with the urgency of the project, the Company has started constructing the Plant.
Size and Scale	5,000,000 metric tons per year
Proponent Profile	
Name of Proponent	Liansheng Manufacturing Corporation
Address	133 Rose Mabuco, Hermosa, Bataan
Contact Person and Details of Proponent's Authorized Rep.	Susan Tan, President (02) 9843- 785
Preparer Profile	
Name of Preparer	Mediatrix Business Consultancy
Address	L29 Joy-Nostalg Centre, 17 ADB Ave., Ortigas Centre, Pasig City
Contact Person and Details of Preparer's Authorized Rep.	Ms. Matilde J. Fernando, General Manager 0917-5064499

2. PROJECT DESCRIPTION

Project Location/Area	<p>The proposed project will be located in Purok 1, Brgy. Balsik, Hermosa, Bataan within an estimated area of 80 hectares.</p> <p>Attached in Annex A is the proposed project location in google map.</p> <p>Shown in Annex B are Plate of project site photographs.</p>
Project Rationale	<p>The steel industry constitutes a basic industry prerequisite in a country's development and industrialization where its products serve as an essential input to countless uses, such as building and construction, automotive, shipbuilding and repair, electronics, packaging, etc. This is the reason why the Project is envisioned and to particularly address the following objectives:</p> <ul style="list-style-type: none">• Localization of steel in the Philippines• Economic growth• Job opportunities
Project Alternatives	<p>Among the alternative sites considered is Valenzuela being an industrial area. However, the project area is too small to accommodate the target Plant size and capacity. Also, the area is already congested with other industries.</p> <p>Use of electric arc furnace is also being considered as a technology for the project.</p>

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Project Components List	<p>Main equipment:</p> <ul style="list-style-type: none"> • Scrap steel processing equipment • Billet forming equipment • Steelmaking electric furnace equipment • Environmental protection equipment <p>Provided in Annex C is the proposed Site Development Plan showing the project components.</p>
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Project Phases, Key Environmental Aspects, Wastes, Issues, Built-in Measures

Major Activities Description / Details key environmental aspects or activities	Potential Impact, Nature and estimate of Major Emissions	Impact Mitigation, Built-in management measures and facilities planned
Preconstruction Phase		
Land	Land use compatibility	Secure reclassification of land use to industrial in parallel with ECC acquisition
Construction Phase		
Generation of domestic solid waste and wastewater and hazardous wastes	Contamination of soil and water quality	<ul style="list-style-type: none"> • Good housekeeping • Regular hauling of garbage • Provision of Material Recovery Facility and Hazardous Materials Facility • Provision of septic tanks
Construction of the steel mill complex	Air emission (TSP, PM10, PM2.5, SOX, NOX) and noise pollution from equipment and vehicles	<ul style="list-style-type: none"> • Water sprays/sprinkling • Training on proper equipment use • Training on proper vehicle use and speed • Proper maintenance of equipment and vehicles
Construction of the steel mill complex including rainwater reservoir and wastewater treatment	Air emission (TSP, PM10, SOX, NOX) and noise pollution from construction equipment and vehicles	<ul style="list-style-type: none"> • Proper maintenance of construction equipment • Good housekeeping • Dust management, i.e. water sprays/sprinklers
Storage, handling and transport of construction materials	Health and safety hazards	<ul style="list-style-type: none"> • Use of PPEs • Health and safety policies • Safety inspections and meetings • First aid training
Operations Phase		
MMT Formation, SDP and IEC	Regular monitoring	Creation and Regular meetings
Steel Mill Operation	Water pollution	Recycling of water and zero discharge
	Employment generation	Qualified Brgy. Balsik and Hermosa residents will be priority in hiring
	Generation of hazardous wastes such as used oil, busted bulbs and contaminated rags and gloves	Proper collection, transportation and treatment through an accredited TSD facility.
	Air emission and noise pollution	<ul style="list-style-type: none"> • Training on proper equipment use • Use of water sprays, use of enclosures, barriers, and buffer zones

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		<ul style="list-style-type: none"> Regular ambient air and noise monitoring
	Generation of steel mill scales	For recycling through the smelting process
	Increase in economic opportunities	<ul style="list-style-type: none"> Payment of taxes Provision of social development programs
<i>Abandonment Phase</i>		
Removal of wastes	<ul style="list-style-type: none"> Change in land use 	<ul style="list-style-type: none"> Grading and stabilization works Tree Planting
Manpower	At least 500 employees	
Project Cost and Duration	1st phase 15,000,000 USD 2nd phase 10,000,000 USD As soon as the ECC is issued with local permits, Plant construction will continue.	

LIST OF ANNEXES

- Annex A : SEC Registration, Articles of Incorporation and by-Laws
- Annex B : Location Map
- Annex C : Site Development Plan
- Annex D : Aerial photos

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Liansheng Manufacturing Corporation

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Annex A: SEC Registration



REPUBLIC OF THE PHILIPPINES
SECURITIES AND EXCHANGE COMMISSION
PICC Secretariat Bldg., PICC Complex
Pasay City, Metro Manila

COMPANY REG NO. CS201800337

CERTIFICATE OF INCORPORATION

KNOW ALL PERSONS BY THESE PRESENTS:

This is to certify that the Articles of Incorporation and By Laws:

LIANSHENG MANUFACTURING Corporation

were duly approved by the Commission on this date upon the issuance of this Certificate of Incorporation and By Laws in accordance with the Corporation Code of the Philippines (Batas Pambansa Blg. 68), and copies of said Articles and By Laws are hereto attached.

This certificate grants juridical personality to the corporation but does not authorize it to undertake business activities requiring a Secondary License from this Commission such as, but not limited to acting as: broker or dealer in securities, government securities eligible dealer (GSED), investment adviser of an investment company, close-end or open-end investment company, investment house, transfer agent, commodity/financial futures exchange/broker/merchant, financing company, pre-need plan issuer, general agent in pre-need plans and time shares/club shares/membership Certificate issuers or selling agents thereof. Neither does this Certificate constitute as permit to undertake activities for which other government agencies require a license or permit.

As a registered corporation, it shall submit annually to this Commission the reports indicated at the back of this certificate. Failure to submit annual Financial Statements and General Information Sheets within two (2) years from date of incorporation shall be construed that the corporation has not been formally organized and has not commenced the transaction of its business, thus be subject of Suspension Order

IN WITNESS WHEREOF, I have hereunto set my hand and caused the seal of this Commission to be affixed to this Certificate at PICC Secretariat Bldg., PICC Complex Pasay City, Metro Manila, Philippines, this day of 25, January, Twenty Eighteen.




FERDINAND B. SALES
Director
Company Registration and Monitoring Department

Annex B: Location Map



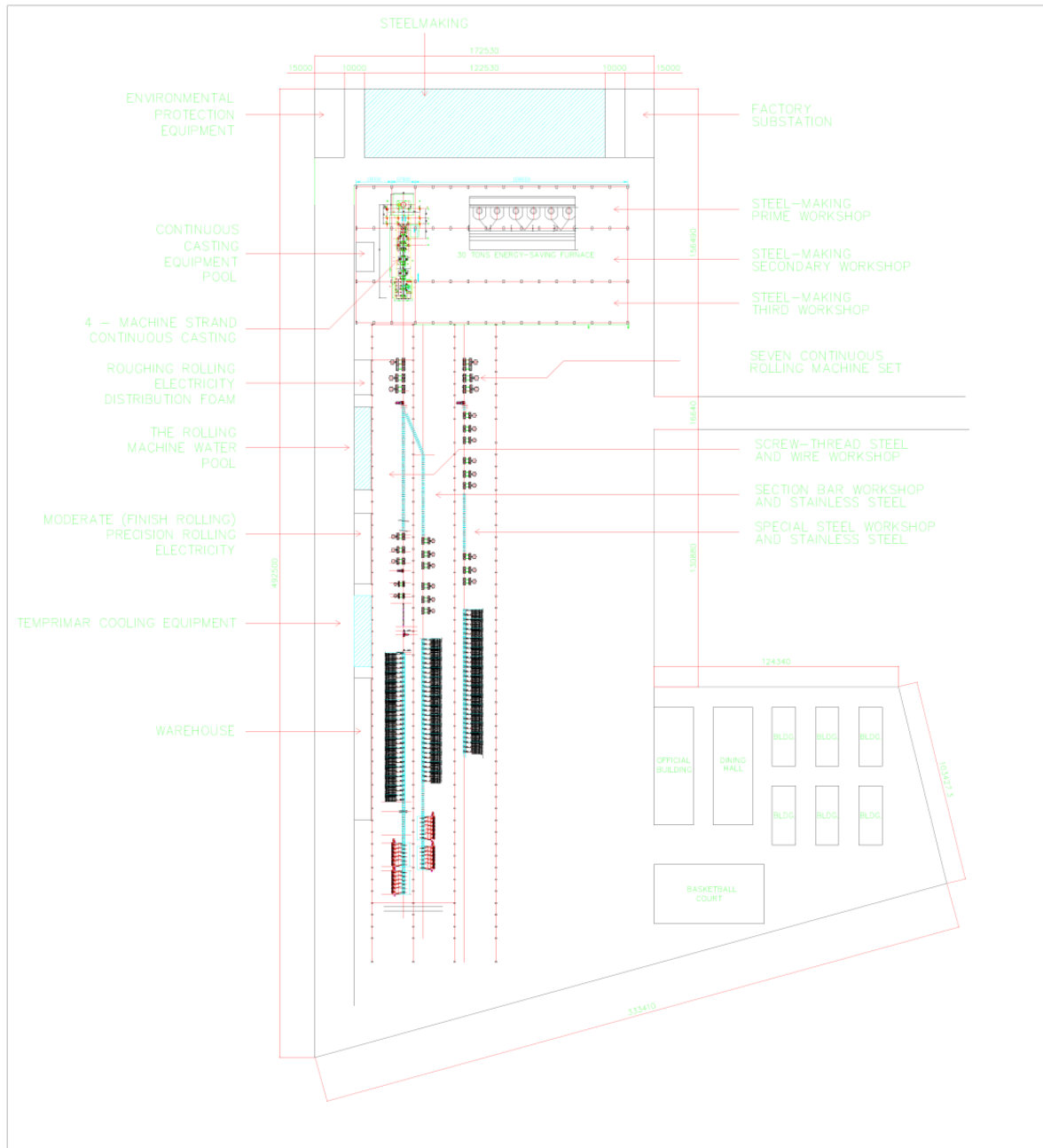
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Annex C: Site Development Plan



Annex D: Aerial Photos

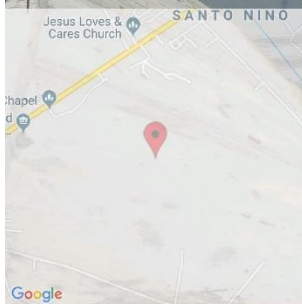


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	Decimal	DMS	
Latitude	14.865009	14°51'54" N	
Longitude	120.500055	120°30'0" E	30°C
			86°F
2019-07-22(Mon) 10:46(AM)			

PROPOSED STEEL MILL PROJECT
Liansheng Manufacturing Corporation
Brgy. Balsik, Hermosa, Bataan

Documentation of Proof of Conduct of IECs

A. Initial Stakeholder Identification

Prior to the conduct of the EIA Study, stakeholder identification has been conducted based on the geographical delineation of the EIA study area, the direct as well as indirect impact areas (DIA and IIA).

1. Direct impact areas are delimited as the area within the political boundaries of the smallest unit of local government unit (LGU) (e.g. sitio/s or barangays) where all existing project facilities and proposed expansion are located and proposed to be constructed/situated and where all operations are currently and proposed to be undertaken. For this Project, this is Brgy. Balsik where the Plant and all its facilities will be located. Provided below in Figure 1 is the project location map while Plates 1 and provide the photographs of the project site.



Figure 1: Project Location Map



Plate2: Photograph of the Project Site (east side)

B. Social Preparation

Social preparation has been undertaken through several Information and Education Campaign (IEC) to prepare the initially identified stakeholders for the public scoping by providing them with information about the project, the proponent and the scoping process. The following information was provided to them:

- a.) Company Introduction
- b.) Project Concept
- c.) Health, Safety & Environment
- d.) Benefits to Host Communities

C. Conduct of IEC

The IECs were conducted in English and in Filipino and active participation of the attendees were encouraged.

D. IECs Conducted

The IECs conducted were through direct dialogue and consultation and perception survey. These were conducted with the Barangay leaders, Municipal Officials and residents who attended and participated in the IECs conducted.

1. Presentation to the Barangay Officials, Municipal Officials and residents of Barangay Balsik on August 9, 2019 at the Barangay Hall of Brgy. Balsik, Hermosa, Bataan

Mr. Mark Sayson from Liansheng Manufacturing Corporation presented the proposed project. Ms. Matilde Fernando, the EIA Preparation's Project Manager, presented the preliminarily identified environmental impacts and mitigation measures to address possible consequences of the project to protect the environment and the community's welfare.

During the open forum facilitated by Kagawad Eric Macaspac, following issues and concerns were raised and responded to:

Table 2: Issues and concerns raised and responses provided

Concern	Name/Affiliation	Proponent's Response
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Noise	Renato Dela Pena, Barangay Kagawad of Balsik	Ms. Fernando responded that the concern on noise will be included in the EIS that will be prepared including the baseline, impact assessment and mitigation and noise attenuation modeling.
Water effluent and Air emission	Eric Macaspac, Barangay Kagawad of Balsik (sample/follow up question)	Mr. Sayson responded that there is no minimum dust generation which is within the DENR standards. The Plant will not discharge wastewater as the water will be reused.
Safety of Public especially students	Jasmin Lapid, OIC of Balsik Elementary School	Mr. Sayson assured that the Plant operations will be safe to both the workers and the neighboring communities.
How many companies with “same industry” in the Philippines?	Joy Medina, BPSO	Ms. Fernando responded that there is a lot of similar companies operating in the Philippines but exact data is not yet available to Ms. Fernando when asked.
Odor	Jerry P. Asuncion, Barangay Captain of Balsik	Mr. Sayson responded that the Plant operations will not generate foul smell or odor.
Information Dissemination/IEC	Emely S. Maduro, DEPED/ SDRMO Balsik NHS Coordinator	Ms. Fernando responded that a wider information dissemination and invitation will be made in the future consultations because this preliminary IEC is just the first consultation and there will be more to come.

1.1. Photographs

The Photographs are attached in Annex 1.

1.2 Attendance Sheet

The Attendance Sheets are attached in Annex 2.

1.3 Presentation Materials

The presentation materials used in the consultation are attached in Annex 3.

2.0 Perception Survey

Initial perception survey was also conducted for 30 households who were randomly interviewed and surveyed.

Questions in the survey covered the following:

- Gender
- Age
- Civil status
- Religious affiliation
- Educational attainment
- Occupation
- Place of work
- Number of years earning income
- Monthly income
- Length of stay in the area
- Intention to out-migrate
- Material component of the dwelling unit
- House ownership
- Home utilities
- Causes of morbidity and mortality
- Health services
- Health facilities
- Type of Toilet
- Source of Drinking Water
- Garbage Disposal
- Perception about the Current Environmental Conditions
- Awareness on the Proposed Project
- Impacts of Proposed Power Project: Positive and Negative
- Perception and attitude towards the Project

Provided below are some of the highlights of the responses to the survey.

Perception

28 of the respondents or 93.33% respondents are aware of the proposed project while the remaining 2 respondents or 6.67% are not aware.

Perceived positive effects from the project

Most of the respondents believed that the proposed project will generate employment for the local residents.

Opinions of the project

Most of the respondents stated that can greatly help in improving the community and local residents.

2.1 Results of Survey

Provided below is the survey result.

Age

2 respondents or 6.67% between 21-30 years old, 4 respondents or 13.33% were between 31 to 40 years old, then 14 respondents or 46.67% aged 41 to 50 years old, while 6 of the respondents or 20% were between 51 to 60 years old, 4 of the respondents or 13.33% are 61 to 70 years old (Figure 1).

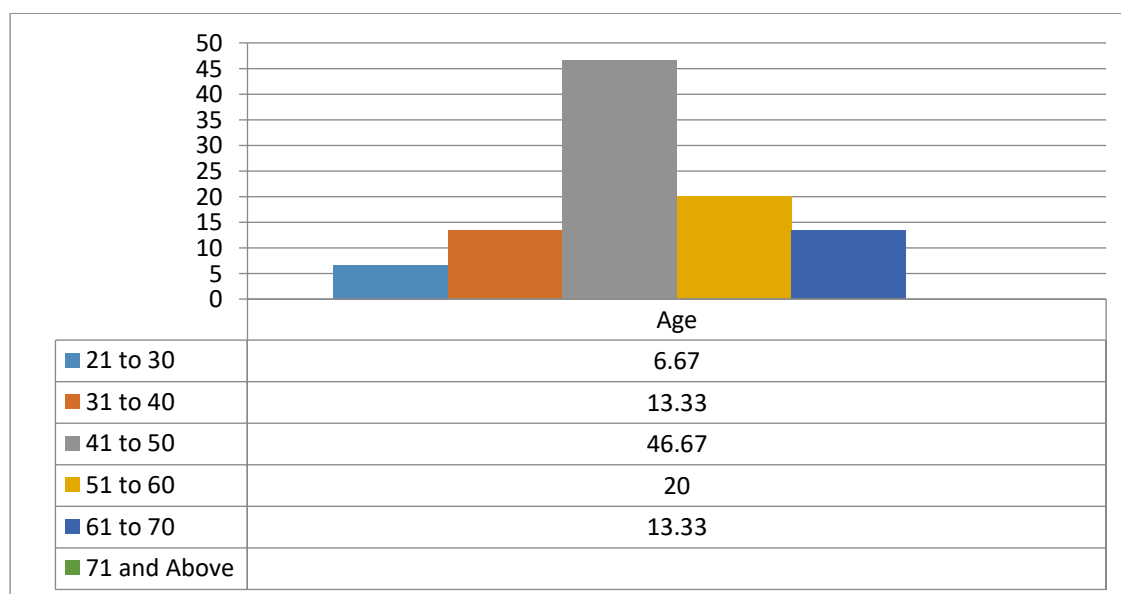


Figure 1: Age

Gender

13 respondents or 43.33% are male while 17 of the respondents or 56.67% are female (Figure 2).

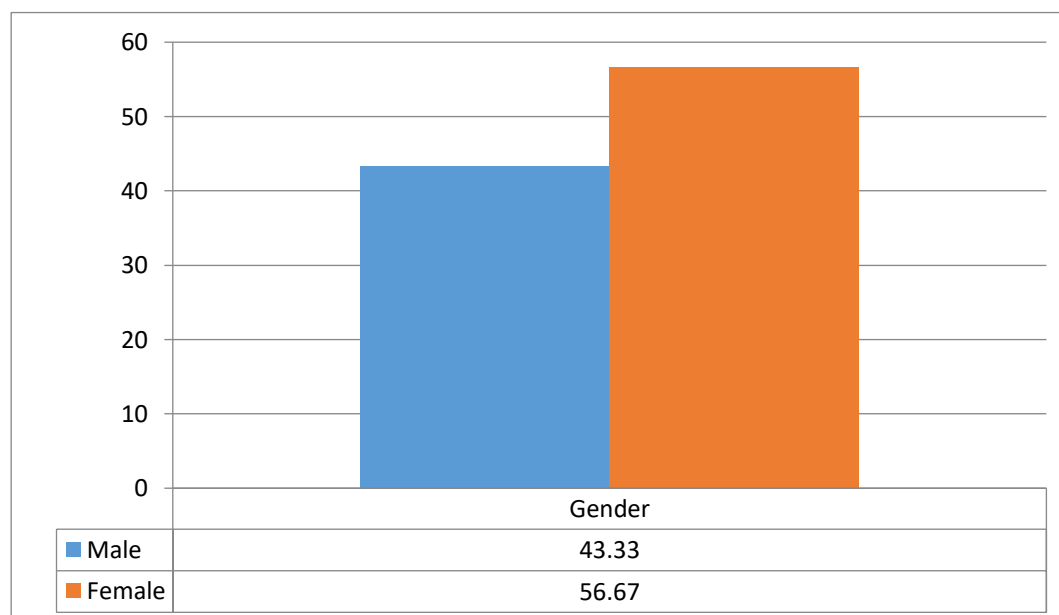


Figure 2: Gender

Occupation

4 of the respondents or 13.33% are Farmer/Farm Workers, 5 of the respondents or 16.67% are Government/Private Employees. 2 of the respondents or 6.67% are Laborer/Skilled, 2 of the respondents or 6.67% are Businessmen, 9 of the respondents or 30% are Brgy. Officials. 3 of the respondents or 10% are other answer, 1 of the respondent or 3.33% has no occupation while 4 of the respondents or 13.33% have no answer (Figure 3).

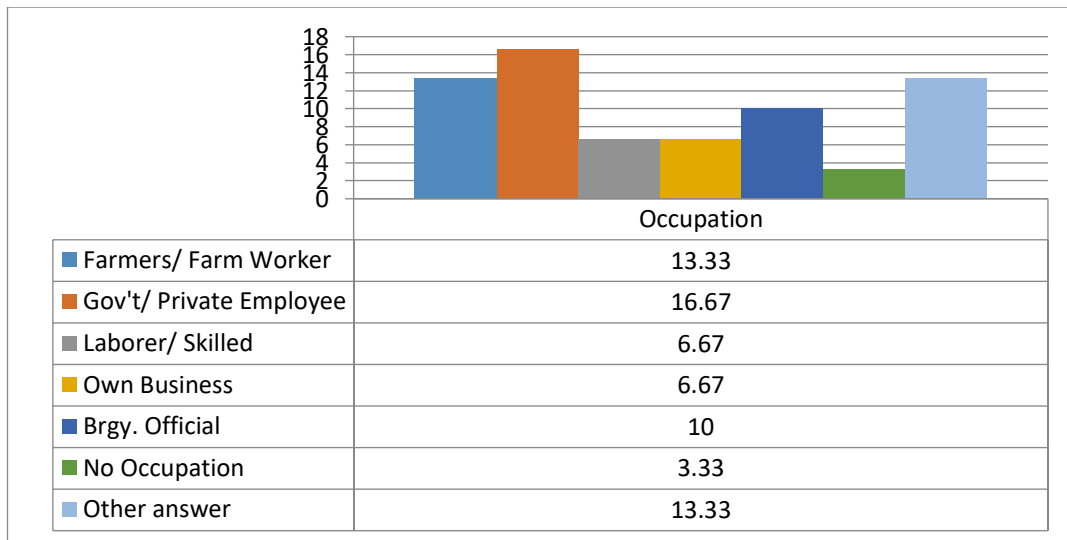


Figure 3: Occupation

Monthly Income

14 of the respondents or 46.67% earned 1 to 5,000, 2 of the respondents or 6.67% earn 5,000 to 10,000 a month. 7 of the respondents or 23.33% earn 10,000 and above while 7 of the respondents or 23.33% have no answer (Figure 4).

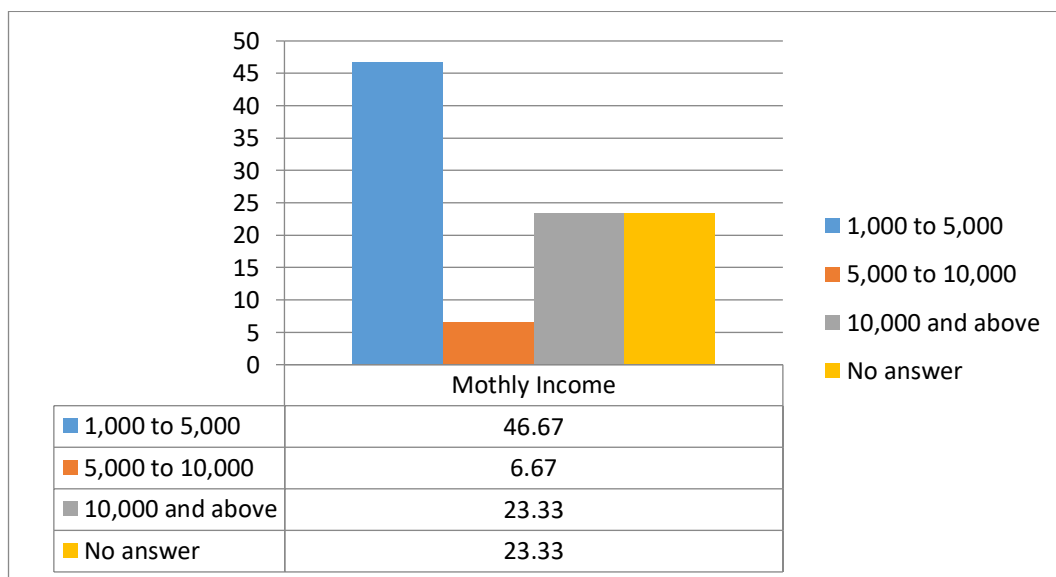


Figure 4: Monthly Income

Religion

Most of the respondents are Catholic with 24 respondents or 80% and 3 of the respondents or 10% are Born Again. 1 of the respondents or 3.33% is Protestant while 2 of the respondents or 6.67% have no answer (Figure 5).

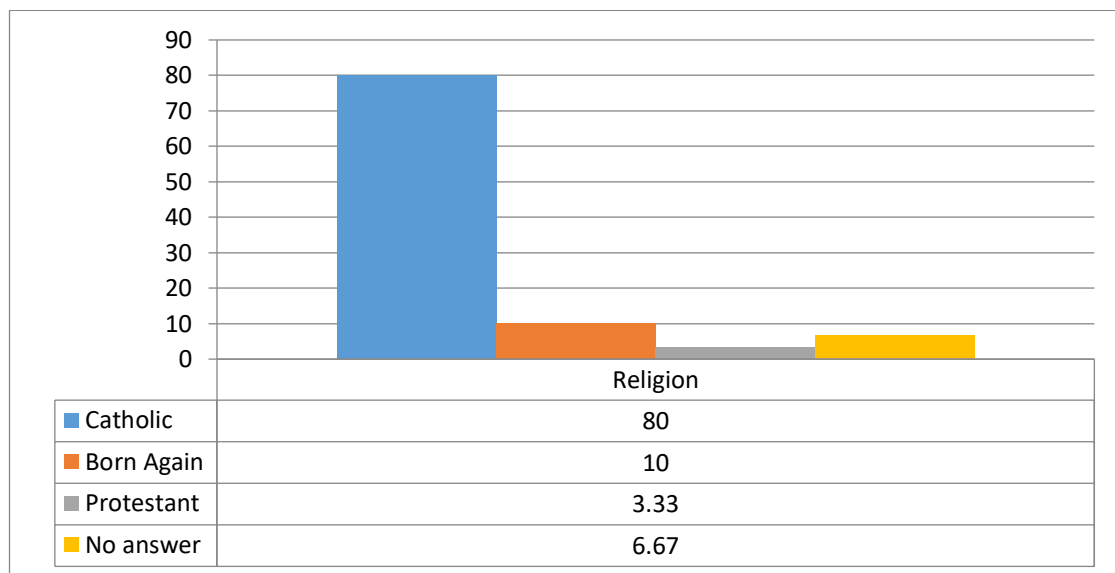


Figure 5: Religion

Educational Attainment

The respondents were mostly High School graduate which accounted for 66.67% or 20 of the respondents, 3 of the respondents or 10% are Vocational and 2 of the respondents or 6.67% are College graduates. 2 of the respondents or 6.67% are Post Graduates while 3 of the respondents or 10% have no answer.

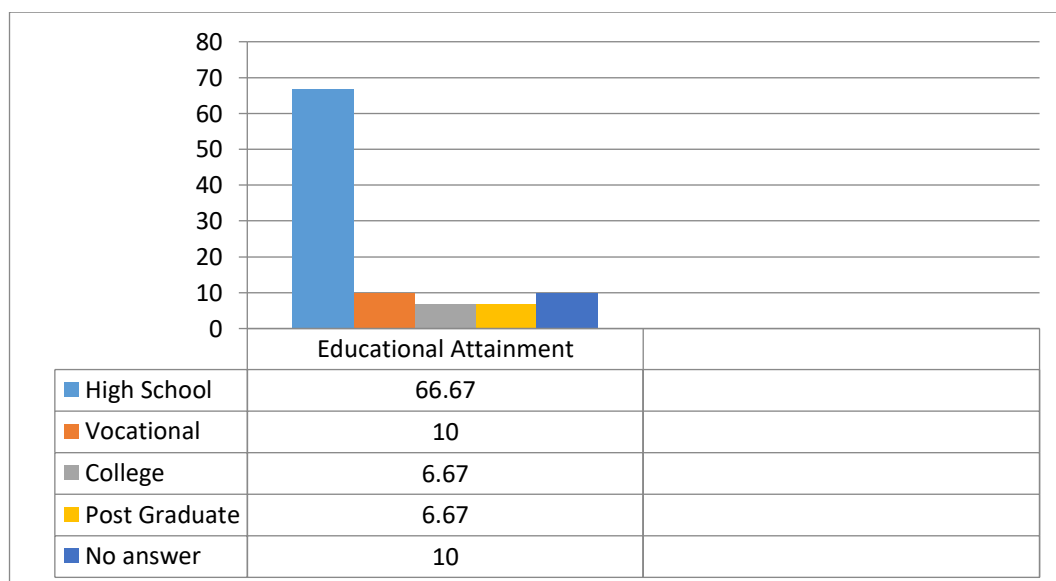


Figure 6: Educational Attainment

Civil Status

Most respondents were married with 24 respondents or 80%, while 2 respondents or 6.67% were single and 2 respondents or 6.67% are widowed. 1 respondent or 3.33% is live-in and another 1 among the respondents or 3.33% has no answer (Figure 7).

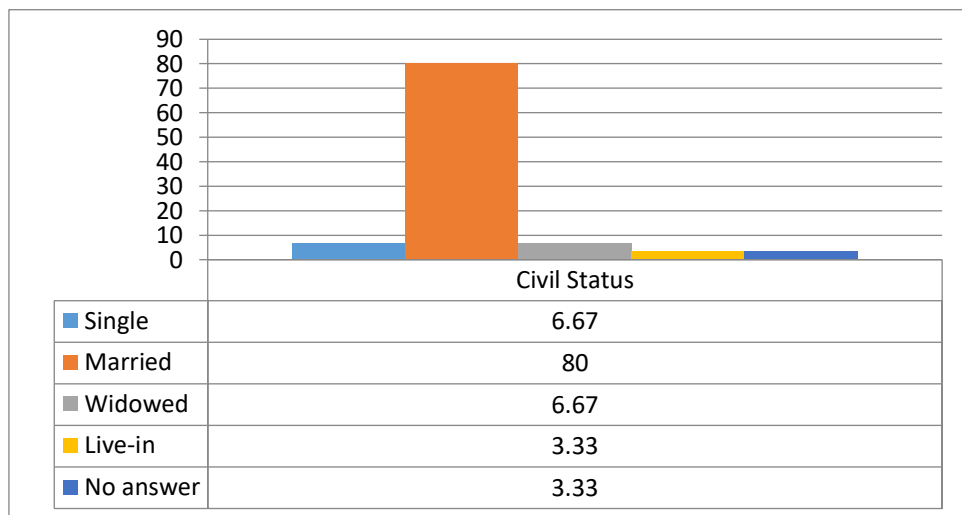


Figure 7: Civil Status

No. of Family Members

15 of the respondents or 50% have members of the family from 2 to 5 and 10 of the respondents or 33.33% have 6 to 10 members while 5 of the respondents or 16.67% have no answer (Figure 8).

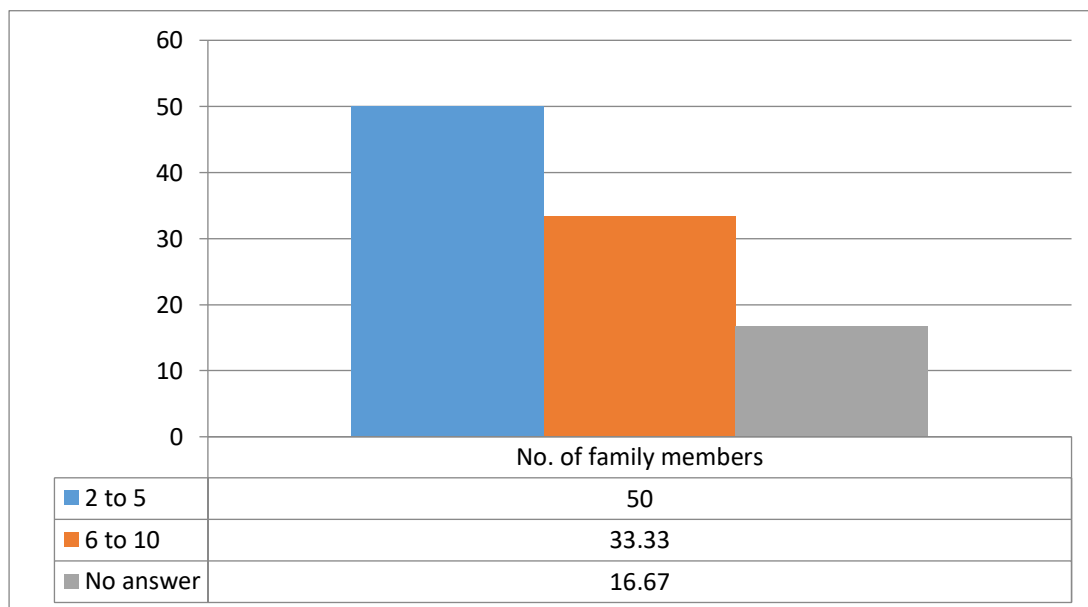


Figure 8: No. of Family Member

Origin

Most of the respondents are locals of Brgy. Balsik with 26 or 86.67% while 4 of the respondents or 13.33% have no answer.

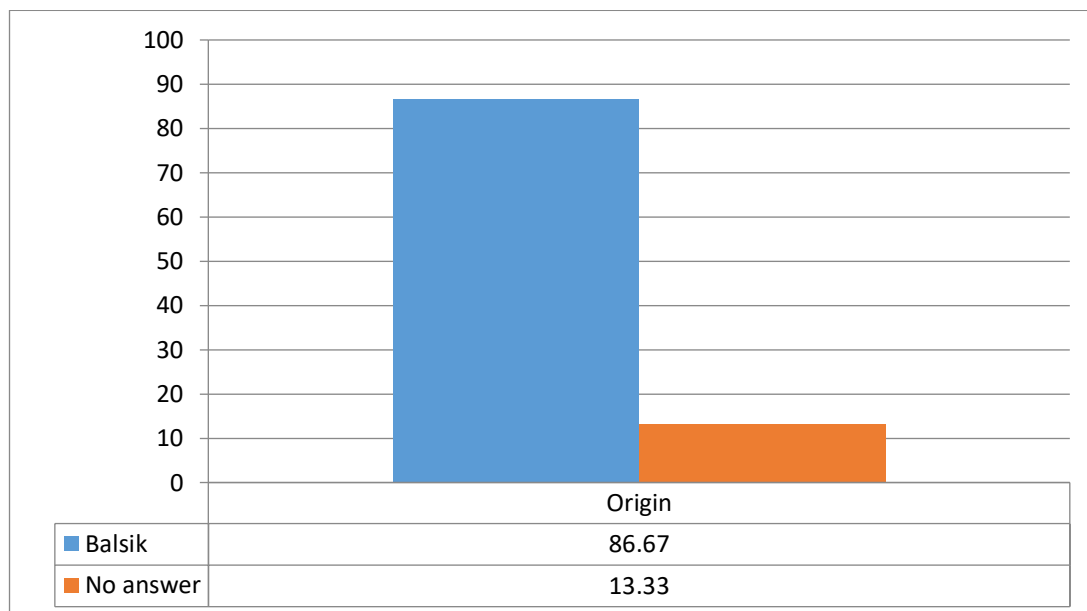


Figure 9: Origin

No. of years staying in the Area

9 of the respondents or 30% lived for 35-40 years, 18 of the respondents or 60% lived there since birth while 3 respondents or 10% have no answer (Figure 9).

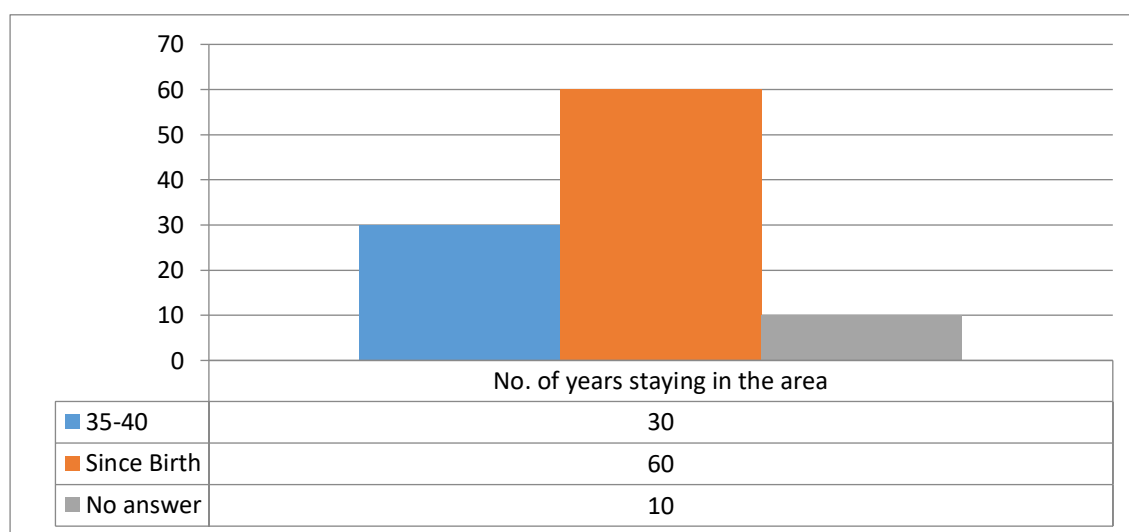


Figure 9: No. of years staying in the area

Sources of water

In all areas surveyed, majority of the respondents get their water from Poso and Utilities selling mineral water while some of them have no answer (Figure 10).

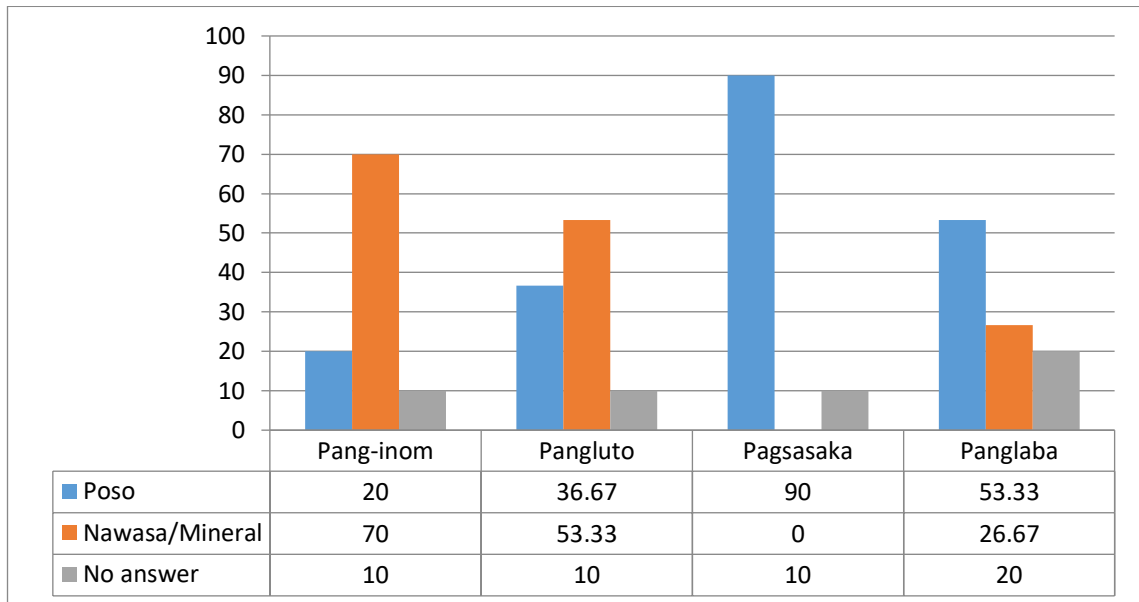


Figure 10: Sources of water

Type of Vehicle

14 of the respondents or 46.67 % doesn't have vehicle. 6 of the respondents or 20% have bicycle, 8 respondents or 26.67% have Motorcycle, 1 respondent or 3.33% has Car/Owner while 1 respondent or 3.33% has Van/Jeepney (Figure 11).

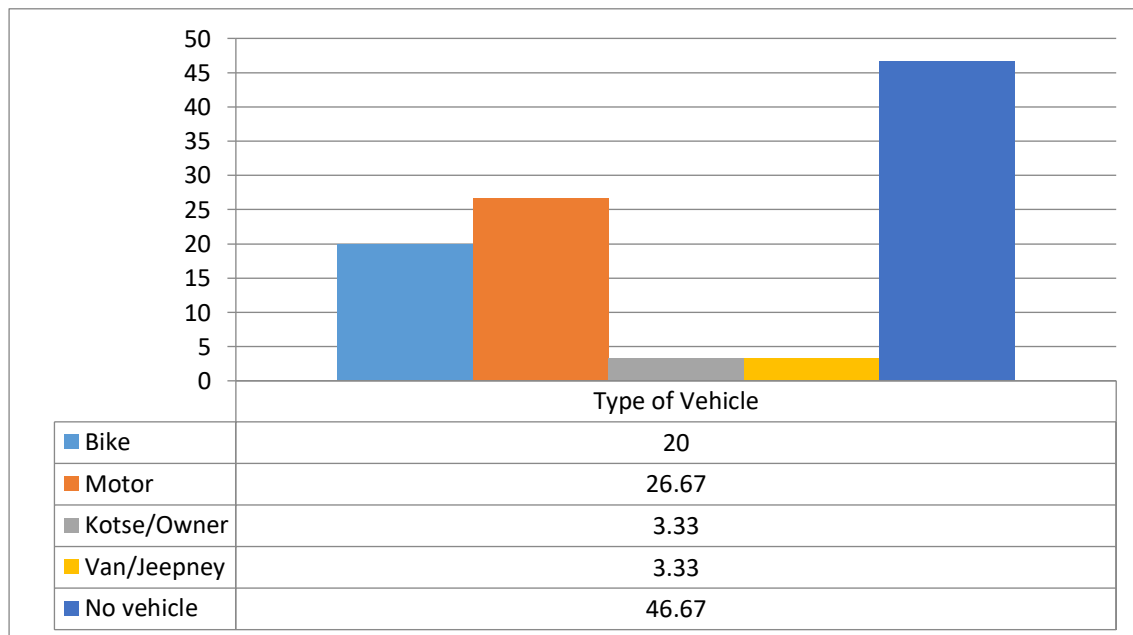


Figure 11: Type of Vehicle

Comfort Room

Most of the respondents used water closet with 18 of the respondents or 60% while 12 of the respondents or 40% used open pit (Figure 12).

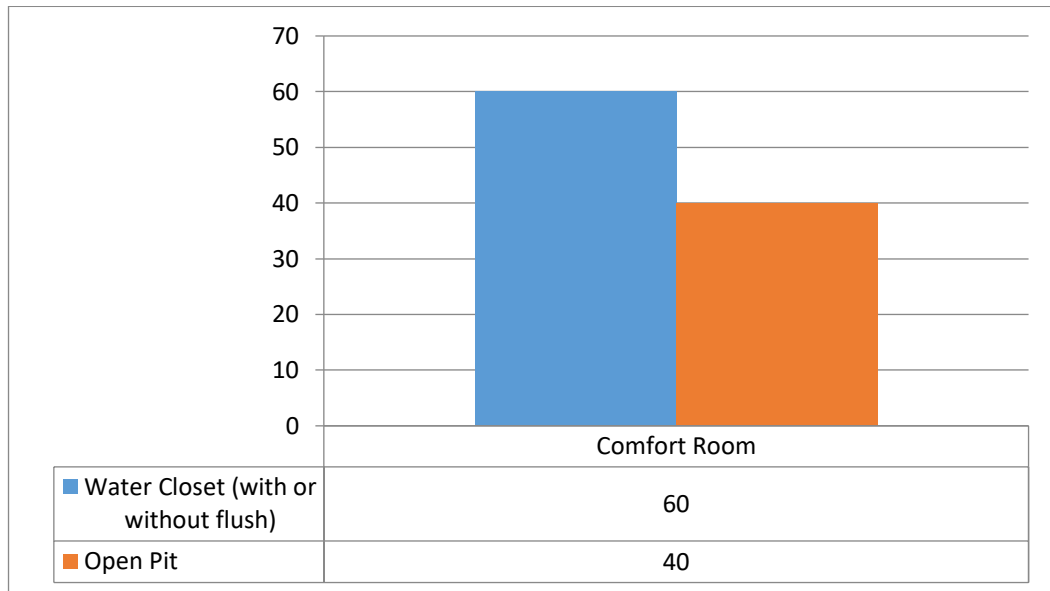


Figure 12: Comfort Room

Calamities Experienced

Majority of the respondents have experience calamities with 30 respondents or 100% (Figure 13).

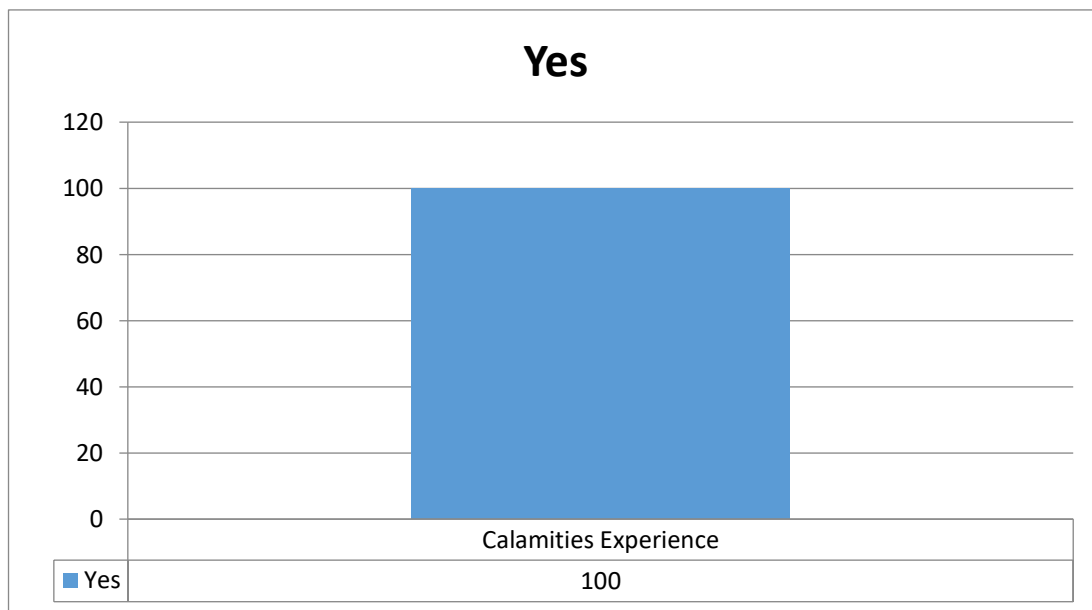


Figure 13: Calamities Experienced

Perception

28 of the respondents or 93.33% respondents are aware of the proposed project while the remaining 2 respondents or 6.67% are not aware.

Perceived positive effects from the project

Most of the respondents believed that the proposed project will generate employment for the local residents.

Opinions of the project

Most of the respondents stated that can greatly help in improving the community and local residents.

2.2 Perception Survey Form

PERCEPTION SURVEY QUESTIONNAIRE

Titulo ng Proyekto : **Steel Mill Project**
 Project Proponent : **Liansheng Manufacturing Corporation**
 Lokasyon : **Brgy. Balsik, Hermosa, Bataan**

Pangalan		Edad	Gender <input type="checkbox"/> F <input type="checkbox"/> M
Barangay:		Purok:	Interviewer:
Occupation <input type="checkbox"/> farmer/farm worker	<input type="checkbox"/> laborer/skilled	<input type="checkbox"/> sariling hanapbuhay	<input type="checkbox"/> iba pa
(Trabaho) <input type="checkbox"/> Gov't /Private Emp	<input type="checkbox"/> Driver	<input type="checkbox"/> Brgy. Official	<input type="checkbox"/> wala
Monthly Income (Buwanang Kita) <input type="checkbox"/> 1-5,000		<input type="checkbox"/> 5,000-10,000	<input type="checkbox"/> 10,000 above <input type="checkbox"/> wala
Relihiyon <input type="checkbox"/> Catholic <input type="checkbox"/> Protestant		<input type="checkbox"/> Islam <input type="checkbox"/> Iglesia ni Kristo	iba pa _____
Educational Attainment (Antas ng Pinag-aralan) <input type="checkbox"/> Wala <input type="checkbox"/> Elementarya		<input type="checkbox"/> High School <input type="checkbox"/> Vocational	<input type="checkbox"/> College
<input type="checkbox"/> Post-graduate <input type="checkbox"/> Abogasya <input type="checkbox"/> Doktor			
Civil Status: <input type="checkbox"/> Single <input type="checkbox"/> Married		<input type="checkbox"/> Widowed <input type="checkbox"/> Hiwalay	<input type="checkbox"/> Common Law / Live-in
Ilan ang miyembro ng pamilya <input type="checkbox"/> 2-5 <input type="checkbox"/> 6-10		<input type="checkbox"/> 11-15	
Lehitimong taga _____ <input type="checkbox"/> Oo <input type="checkbox"/> Ilan taon ng naninirahan _____		<input type="checkbox"/> Hindi	
Saan dati naninirahan _____			
Pinagkukunan ng tubig (saan) _____		Pang-inom/pangluto _____ Panglaba _____	
_____ Pagsasaka/pagtatanim ng halaman			
Kasilyas/Palikuran <input type="checkbox"/> open pit	<input type="checkbox"/> water closet (with or without flush)	<input type="checkbox"/> walang kasilyas	
Sasakyan <input type="checkbox"/> wala <input type="checkbox"/> bike	<input type="checkbox"/> motor <input type="checkbox"/> kotse/owner	<input type="checkbox"/> van/jeepney others _____	
Nagkaroon na ba ng kalamidad (halimbawa: bagyo, lindol, pagputok ng bulkan) dito sa inyong lugar sa nakaraang 5 taon?			
Meron _____ Wala _____ Anong klaseng kalamidad? _____			
Paano ninyo hinrap ang nasabing kalamidad? _____			

*****PERCEPTION*****			
Alam nyo ba na may planong Steel Mill Project ang Liansheng Manufacturing Corporation? Oo _____ Hindi _____			
Paano nyo nalaman? _____			
Ano, sa inyong palagay, ang maidudulot ng binabalak na Proyekto ng kumpanya sa inyong barangay?			
<input type="checkbox"/> Makakatulong o makakabuti sa pamumuhay/aming lugar			
<input type="checkbox"/> Wala itong magiging epekto sa aming pamumuhay/aming lugar			
<input type="checkbox"/> Hindi ko sigurado			
Paki-paliwanag ang sagot ninyo sa itaas:			

May nakikita ka bang maaaring epekto ng Proyekto sa kabuhayan ng mga tao sa inyong barangay? Ipaliwanag ang inyong sagot.			

May nakikita ka bang maaaring epekto ng Proyekto sa kapaligiran? Ipaliwanag ang inyong sagot.			

May nakikita ka bang maaaring epekto ng Proyekto sa iba pang aspeto ng inyong pamumuhay? Saan-saan ito, at paki-paliwanag ng inyong sagot?			

Ano ang inyong maimumungkahi na pwedeng maitulong ng kumpanya para sa ikabubuti ng barangay at mga residente nito?			

Ano ang inyong mararamdaman kapag natuloy ang Proyekto sa inyong lugar? Ipaliwanag ang inyong sagot.			

Lagda ng Nagtanong (Interviewer) _____

Lagda ng Tinanong (Interviewee) _____

Petsa _____ 2018

MARAMING SALAMAT PO!