SEDC SOLID EARTH DEVELOPMENT CORPORATION

04 March 2019

ENGR. METODIO U. TURBELLA
Director
ENVIRONMENTAL MANAGEMENT BUREAU (EMB)
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES (DENR)
DENR Compound, Visayas Avenue,
Diliman, Quezon City

Attention : **Engr. Esperanza A. Sajul**
Chief, EIAM Division

Subject : **Request for Public Scoping of the proposed Limestone Quarry Expansion Project**

Dear Director Turbella:

We respectfully submit the following documents in support for our Request for Public Scoping in relation to the ECC amendment application of the proposed Limestone Quarry Expansion Project:

1. Project Description for Scoping (PDS);
2. Proof of Conduct of IEC;
3. Pre-Public Scoping Participatory Data Gathering (KII, FGD, and Initial Perception Survey);
4. Proposed list of invitees for the public scoping;
5. Draft invitation letter (to be signed by EMB) and IEC materials in preparation for the public scoping; and
6. Draft presentation of the project during public scoping.

We hope you find everything in order.

Thank you.

Sincerely yours,

Atty. Dennis B. Tenefrancia
President

National Highway, South Poblacion, San Fernando, Cebu
Tel No (032) 234 1543, Telefax No (032) 234 1539

Limestone Quarry Expansion Project

Solid Earth Development Corporation

San Fernando, Cebu

REQUEST FOR PUBLIC SCOPING REQUIREMENTS

RHR Consult Services, Inc.
EIA Preparer

ATTACHMENT 1

PROJECT DESCRIPTION FOR SCOPING

2019

Limestone Quarry Expansion Project

Solid Earth Development Corporation

San Fernando, Cebu

PROJECT DESCRIPTION FOR SCOPING

RHR Consult Services, Inc.
EIA Preparer

Table of Contents

PROJECT FACT SHEET

Proposed Project Coverage

Project Name	:	Limestone Quarry Expansion Project
Project Type	:	Quarrying – Extraction of Non-metallic minerals
Project Location	:	Barangays Tinubdan, Tananas, Tonggo, Basak and South Poblacion, San Fernando, Cebu within Mineral Production Sharing Agreement (MPSA) No. 067A-97-VII and 205-2004-VII
Project Scale/Limit	:	Total annual extraction rate: Increase from 4.25 to 4.8 million metric tons Total production area: Increase from 89 to 319.29 hectares MPSA 067A-97-VII = 557.57 hectares MPSA 205-2004-VII = 84 hectares 10.0361 hectares Foreshore Lease Contract area (FLC No. 072241-12) 14.90 hectares Miscellaneous Lease Agreement area (MLA No. 072241-36) Port Facility = 2.3 hectares
Major Project Components	:	Quarry Limestone production areas Overburden/topsoil stockyard Raw materials stockyard Port Berthing Area and Transportation System for receiving raw materials, cement, clinker, coal and additives Causeway Front Docking Area Packhouse, Cement Silos and Bulk Loading

Profile of the Proponent

Name of the Company	:	**Solid Earth Development Corporation (SEDC)**
Contact Person	:	Atty. Dennis B. Tenefrancia President
Office Address	:	9th Floor Insular Life Business Center, Cebu Business Park, Cebu City
Contact Details	:	Tel. No.: (032) 340 8146 Fax. No. (032) 340 6163

Profile of the EIA Preparer

Name of the Company	:	**RHR Consulting Services, Inc.**
Contact Person	:	Jess M. Addawe Project Director
Office Address	:	Unit 606, FSS Building II, 18 Scout Castor cor. Scout Tuazon Sts., Barangay Laging Handa, Quezon City
Contact Details	:	Tel. No.: (02) 798 0020

1 PROJECT DESCRIPTION

1.1 PROJECT BACKGROUND

On June 1, 1992, the Department of Environment and Natural Resources (DENR) granted Environmental Compliance Certificate (ECC) No. 9107-011-105C to Grand Cement Manufacturing Corporation (GCMC) for its proposed Limestone Mining and Cement Manufacturing to be located in Barangay South Poblacion and Barangay Tinubdan, San Fernando, Cebu. The ECC was signed by then OIC, Office of the Undersecretary for Environment and Research, Mr. Delfin J. Ganapin, Jr.

On October 13, 1999, DENR granted ECC No. 9710-003-105C by then Secretary Antonio H. Cerilles covering GCMC's plan to expand its operations. The certificate covered the limestone quarrying operation as well as the operation of the Cement Manufacturing Plant's Line 1 and Line 2 (Expansion). Moreover, on January 5, 2000, DENR approved GCMC's request for amendment of condition #1 of the same ECC to include in the construction of Grand Cement Pier.

On June 29, 2000, a Deed of Assignment was executed by and between GCMC by its President Enrique L. Benedicto and Solid Earth Development Corporation (SEDC) by its President Benedict T. Benedicto whereby GCMC assigned to SEDC all its rights, title and interests in a portion of the contract area under Mineral Production Sharing Agreement (MPSA) No 067-97-VII covering 1,492.0406 hectares, more or less, and in the entire contract area under MPSA No 131-99-VII covering 486 hectares, more or less. By August 16, 2000, Mines and Geosciences Bureau issued an order granting the approval of the Deed of Assignment of the abovementioned MPSAs.

After the approval of the Deed of Assignment, GCMC again represented by its President, Enrique L. Benedicto and SEDC again represented by its President Benedict T. Benedicto then executed on September 22, 2000 a Deed of Re-Confirmation and Assumption of Responsibilities of the Terms and Conditions of the Environmental Compliance Certificate (ECC) No. 9710-003-105C. By virtue of the said deed, GCMC hereby re-confirmed and adhered to abide and comply with the ECC terms and conditions pertaining to cement manufacturing. On the other hand, DENR concurred with the stipulated conditions on the reconfirmation and/or assumption of responsibilities in the Deed of Assignment entered into by and between GCMC and SEDC. It is then that, SEDC assumed and adhered to abide and comply with the ECC terms and conditions pertaining to limestone mining activities.

GCMC changed its corporate name to Taiheiyo Cement Philippines, Inc. (TCPI) on 19 June 2003. On June 25, 2007, DENR through then Secretary Angelo R. Reyes granted a new, distinct and separate ECC bearing number 0607-007-3630 to TCPI. The said ECC covers only its existing Cement Manufacturing Plant Lines 1 & 2 and the additional Materials Co-processing Facility.

The Limestone Mining Project of SEDC within MPSA 205-2004-VII was issued a separate ECC on July 15, 2004 (ECC Ref. No. 0401-001-302).

On January 18, 2018, a separate ECC was issued to SEDC for the transfer of the remaining components of the previous project, specifically the quarry and port operation (ECC Ref. No. 1709-0018) and superseding ECC-CO-9710-003-105C issued on 13 October 1999 and ECC-RO7-1303-0051 issued on 19 March 2013.

This ECC amendment application proposes to integrate the 2 ECCs (ECC Ref. No. 0401-001-302 and ECC Ref. No. 1709-0018) issued to SEDC for the Limestone Quarry Project covering MPSA Nos. 067-97-VII and 205-2004-VII. Also, an increase of the limestone production area to a total of 562.05 hectares shall also be included in this application.

1.2 PROJECT LOCATION AND AREA

The Limestone Quarry Expansion Project of SEDC is within the political jurisdiction of Barangays Tinubdan, Tananas, Tonggo, Basak, and South Poblacion (Quarry Component) and South Poblacion (Port Component), Municipality of San Fernando, Cebu. It is located in the southeastern part of Cebu Island and is about 500 aerial meters southwest from San Fernando proper or about 25-28 aerial kilometers southwest from Cebu City. San Fernando shares its boundaries with Naga City in the north, Carcar City in the south, Pinamungajan in the west and Bohol Strait in the east.

Direct impact areas of the project are comprised of the 300.7-hectare production areas, 10.0361 FLC, 14.9 hectare MLA and 2.3-hectare port facility.

1.2.1 PROJECT ACCESSIBILITY

The project area is accessible from Cebu City via the south provincial highway. Regular public buses and jeepneys ply the Cebu City to the southern towns passing San Fernando. Travel time is about an hour and a half by private vehicle.

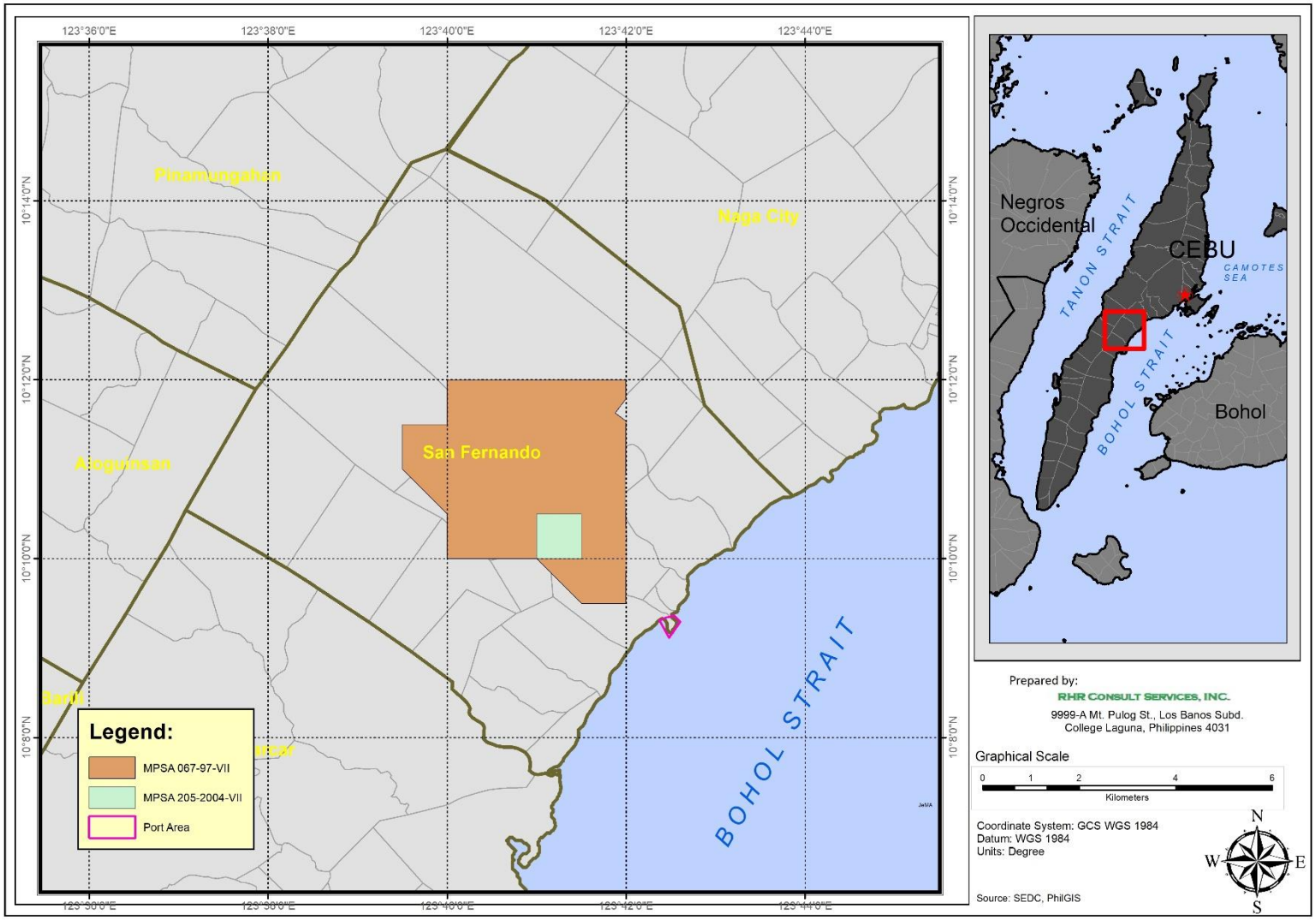


Figure 1. Project Location Map

1.2.2 QUARRY

The proposed expansion of the quarry operations will be located within MPSA 067A-97-VII and MPSA 205-2004-VII in Barangays Tinubdan, Tananas, Tonggo, Basak and South Poblacion, San Fernando, Cebu.

The ECC areas under the two MPSAs are bounded by the geographic coordinates in Table 1. The technical descriptions of the production areas are bounded by the geographical coordinates shown in Table 2 and Table 3.

Table 1. Geographical Coordinates of ECC area under MPSA 205-2004 and MPSA 067A-97

POINT	LATITUDE	LONGITUDE
1	10°10' 29.934"	123°41'24.628"
2	10°11' 33.25"	123°41'12.569"
3	10°11' 35.016"	123°41'26.634"
4	10° 11' 33.85"	123°41'27.289"
5	10°11' 20.856"	123°41'36.476"
6	10°11' 11.099"	123°41'44.281"
7	10° 10' 53.155"	123°41' 59.752"
8	10° 10' 52.518"	123°41' 59.969"
9	10° 10' 40.142"	123° 41' 59.58"
10	10° 10' 13.186"	123° 42' 0.194"
11	10° 10' 9.934"	123° 42' 0.202"
12	10° 9' 59.934"	123° 42' 0.202"
13	10° 9' 35.975"	123° 42' 0.202"
14	10° 9' 36.868"	123° 41' 58.129"
15	10° 9' 44.831"	123° 41' 39.646"
16	10° 9' 43.811"	123° 41' 34.419"
17	10° 9' 45.155"	123°41'32.226"
18	10° 9' 53.613"	123°41' 26.746"
19	10° 9' 58.066"	123°41'25.68"
20	10° 9' 59.932"	123° 41'19.241"
21	10° 9' 59.934"	123° 41' 0.202"
22	10° 9' 59.934"	123° 40' 30.48"
23	10° 9' 59.93"	123° 40' 8.647"
24	10° 10' 9.781"	123° 40' 0.222"
25	10°10'29.935"	123° 40' 0.265"
26	10° 10' 39.62"	123° 40' 9.133"
27	10°10'52.937"	123° 40'26.952"
28	10°10'47.123"	123° 40' 35.356"
29	10°10'46.857"	123°40' 42.25"
30	10°10'29.934"	123°41'0.202"

Table 2. Geographic coordinates of Production Area within MPSA 067A-97-VII

POINT	LATITUDE	LONGITUDE
1	10° 10' 31.562"	123° 41' 25.989"
2	10° 11' 31.853"	123° 41' 14.507"
3	10° 11' 33.263"	123° 41' 25.738"
4	10° 11' 19.883"	123° 41' 35.158"
5	10° 11' 10.064"	123° 41' 43.012"
6	10°10' 52.311"	123°41' 58.319"
7	10° 10' 40.727"	123° 41' 57.955"
8	10° 10' 12.394"	123° 41' 58.552"
9	10°10' 1.562"	123° 41' 58.559"
10	10°10' 1.562"	123° 41' 53.003"
11	10°10' 18.397"	123° 41' 35.268"
12	10° 10' 21.807"	123° 41' 31.843"
13	10° 10' 31.562"	123° 41' 31.845"

Table 3. Geographical Coordinates of Production Area with MPSA 205-2004-VII and MPSA 067A-97-VII

POINT	LATITUDE	LONGITUDE
1	10° 10' 0.585"	123° 40' 45.827"
2	10° 10' 5.302"	123° 40' 43.572"
3	10° 10' 8.115"	123° 40' 41.726"
4	10° 10' 11.928"	123° 40' 49.056"
5	10° 10' 17.746"	123° 40' 59.416"
6	10° 10' 15.836"	123° 41' 0.847"
7	10° 10' 3.38"	123° 41' 1.029"
8	10° 10' 0.586"	123° 41' 5.105"

1.2.3 PORT / PIER AREA

The SEDC Port is located in the Bohol Strait, off-shore of Barangay South Poblacion in the municipality of San Fernando, Province of Cebu under Foreshore Lease Contract (FLC No. 072241-12) with an area of 10.0361 hectares and with geographic coordinates presented in the following table:

Table 4. Geographic Coordinates of Foreshore Lease Area

Corner	Latitude	Longitude
1	10° 9’ 27.85”	123° 42’ 26.12”
2	10° 9’ 28.85”	123° 42’ 27.75”
3	10° 9’ 24.35”	123° 42’ 23.37”
4	10° 9’ 13.64”	123° 42’ 24.65”
5	10° 9’ 25.17”	123° 42’ 18.17”
6	10° 9’ 26.63”	123° 42’ 21.32”
7	10° 9’ 27.12”	123° 42’ 22.89”

The port consists of a causeway and a front docking area. The port is currently covered by the existing ECC (ECC Ref. No. 9710-003-105C).

The port will also include a 26,289 - square meter reclamation area with geographic coordinates indicated in Table 5.

Table 5. Geographic Coordinates of the Reclamation Area

POINT	Latitude	Longitude
1	10°09'27.06	123°42'23.05"
2	10°09'27.25"	123°42'23.90"
3	10°09'26.39"	123°42'25.07"
4	10°09'23.45"	123°42'28.44"
5	10°09'23.03	123°42'27.77"
6	10°09'23.05"	123°42'27.67"
7	10°09'22.644	123°42'27.22"
8	10°09'22.12"	123°42'26.58"
9	10°09'21.32"	123°42'27.342"
10	10°09'20.85"	123°42'27.40"
11	10°09'18.15"	123°42'25.80"
12	10°09'18.61"	123°42'25.873"
13	10°09'18.936"	123°42'25.87"
14	10°09'19.439"	123°42'25.93"
15	10°09'23.02"	123°42'23.88"
16	10°09'22.65"	123°42'23.26"
17	10°09'2.77"	123°42'2.69"
18	10°09'18.85"	123°42'21.84"
19	10°09'19.83"	123°42'21.30"
20	10°09'22.88"	123°42'21.96"
21	10°09'26.01"	123°42'20.24"
22	10°09'26.58"	123°42'21.48"
23	10°09'26.79"	123°42'22.17"
24	10°09'27.009"	123°42'2.873"

1.3 PROJECT RATIONALE

The project exists to help meet the growing demand for cement for the construction and related industries, minimizing cement importation. The project does not only provide local employment but also help in boosting the local economy.

The limestone quarry operation will supply the raw material requirement of TCPI's cement plant operation. Cement produced will support the needs of Central Visayas (i.e. Cebu, Bohol, Negros Oriental and Siquijor) and parts of Mindanao including Luzon in the government's Build Build Build Program.

The project will contribute to the cement needs in Visayas and provide a competitive advantage over Mindanao-based cement plants in terms of lower transport costs. The area is mineralized with limestone and is also near and is accessible by sea.

1.4 PROJECT ALTERNATIVES

1.4.1 SITING

Operational economics dictates, the quarry site must be located nearest to the crusher site and existing cement plant. Also considered in the selection of production areas are the following: topography, existing vegetation and land ownership.

1.4.2 Technology Selection / Operation Processes and Design Selection

The limestone deposit is soft to moderate in its hardness that is why the mining operation consists of a continuous cycle comprising of excavation/digging, loading and hauling the run-of-mine ore towards the crusher or stockpile area. The top soil and waste materials are delivered to the top soil stockpile area. Bulldozers, backhoe, dump trucks and payloader are utilized for earthworks. Dozer is used if in case backhoe cannot do the excavation.

1.5 Project Components

1.5.1 Quarry

1.5.1.1 Two Stages of Mining Operation

1.5.1.1.1 Development Stage

This involved the construction of sub-access and main access roads leading towards the targeted elevation of the minable area. Upon reaching the desired elevation, undesirable overburden is stripped off to expose the needed rock materials using backhoe or bulldozer if needed. Stripped waste materials loaded to dump trucks where it will be stockpiled at the waste dump site.

1.5.1.1.2 Production Stage

Prepared benches are then scheduled for cutting by backhoe hoe and will be loaded directly. Front end loader is also utilized to load the excavated rock materials to the dump trucks which are then delivered to the crusher.

1.5.1.2 Other Sub- Activities of the Mining Operation

1.5.1.2.1 Bench Preparation

Working levels are developed and opened for extraction in cadence with the mining schedule. The heavy equipment of outsourced company, like bulldozers, backhoe, loader and dump trucks are utilized to carry out this activity.

1.5.1.2.2 Grade Control

In order to facilitate mine planning, the mine is divided into two areas, namely: Area A and Area B. Generally, the rock formation of the two areas is more or less homogeneous under the same geological occurrence. There is a little variation of Calcium Carbonates and Magnesium carbonates contents which requires the blending of feed ore to control specs requirement of the plant.

1.5.1.3 Description of the Mining Method

A conventional method of Open Cut Mining shall be continued with the utilization of bulldozers, back hoe, dump trucks and payloader for earthworks. Benches are designed as 10 meters in height.

Pit bottom of mining activity is program up to 40 meters above sea level (masl).This is the elevation of the existing quarry raw material stockyards.

1.5.2 Resources

1.5.2.1 Power Requirement

For quarry operation, guard post and perimeter fence power requirement is continuously supplied by Visayan Electric Company (VECO).

For port operation, the main line which is 69 KV is supplied directly by the National Grid Corporation of the Philippines (NGCP). Receiving Substations brought down the voltage into 4.2 KV and further reduced it to 440 V and 220 V for the distribution of various mechanical and electrical equipment necessary for port operations.

1.5.2.2 WATER REQUIREMENT

For quarry operation, water consumption was mainly used for dust suppression activity. Water trucks are utilized to spray mine roads during hauling of limestone and other raw materials delivered to TCPI plant.

For port operation, water consumption was mainly for dust suppression activity. Water trucks area also utilized to spray concrete roads during hauling of bagged cement products and unloading of imported clinker, gypsum, coal and other additives for TCPI plant.

Water for domestic used is supplied by TCPI existing private well.

The project's site development map is shown in Figure 2.

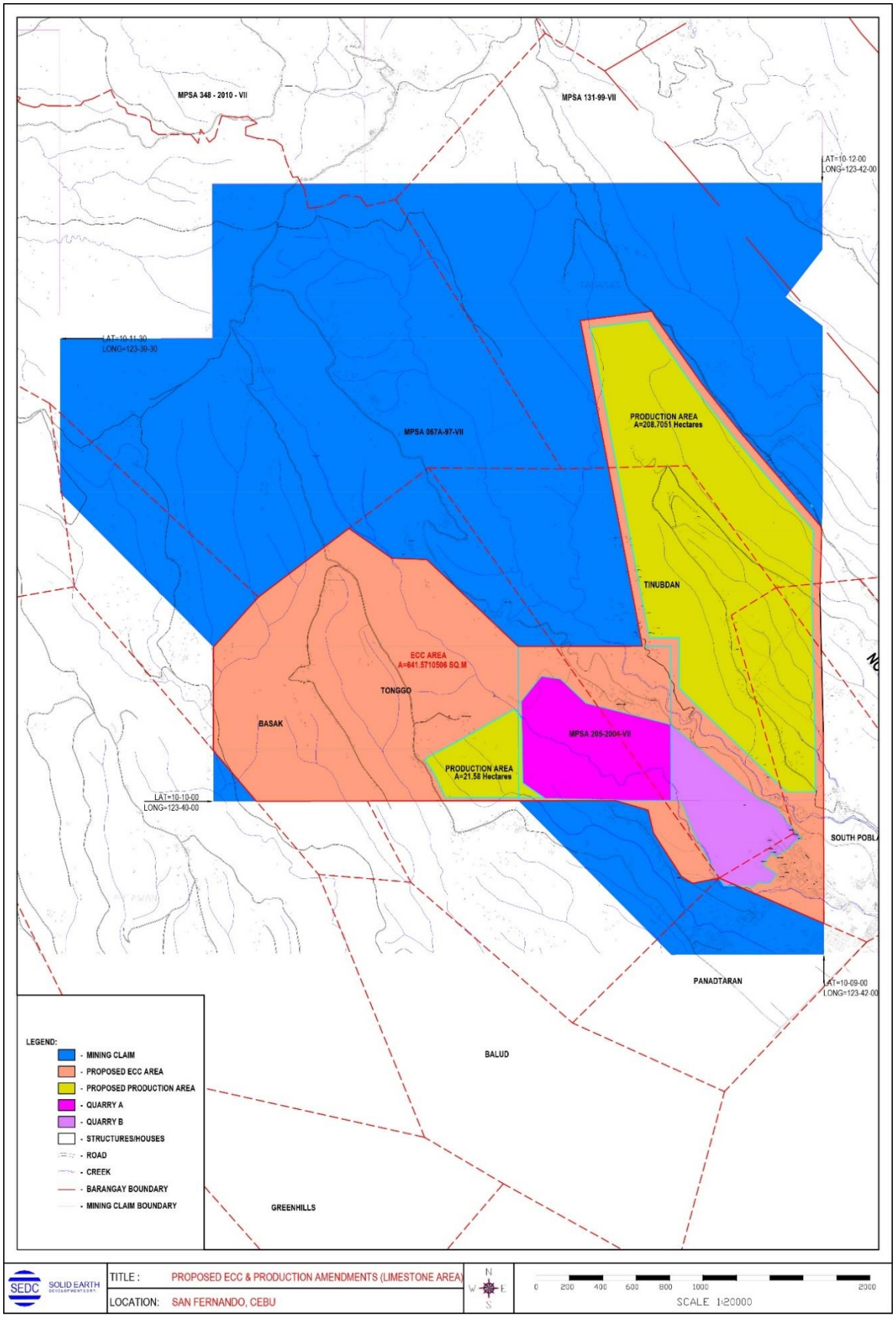


Figure 2. Site Development Map of Quarry Area

1.5.3 PORT

1.5.3.1 MAJOR COMPONENTS (PORT)

1.5.3.1.1 BERTHING AREA AND TRANSPORTATION SYSTEM FOR RECEIVING RAW MATERIALS, CLINKER, CEMENT, COAL AND ADDITIVES

SEDC shall implement receiving operations for cement, clinker, fuel, and additives resulting to a reduced pollution load. Throughout the process in these operations, all material transfer points and possible sources of dust emission are enclosed and installed with bag filters to mitigate dust pollution.

Receiving and Transportation of Clinker, Coal, Fly-Ash Cement and Additives.

Raw Materials such as Gypsum, Fly Ash Cement, Slag and Iron concentrate as well as Coal and Clinker are unloaded from Bulk Carriers, Cargo Vessels and Barges using two options that depends on berth availability and other operating conditions like climate conditions, physical properties of materials, equipment availability, etc.

Option 1: From bulk carriers, the materials are unloaded by grab buckets and discharged into 4 travelling receiving hoppers each integrated with its own dedusting system using bag filters. From the hoppers, the materials are transported to the Plant stockyard via a series of belt conveyors.

Option 2: From cargo vessels, the materials are unloaded by clam shells into barges that travels and docks at the port's Alpha and Echo Beaching Area. Payloaders reclaim the materials from inside the barges and transfer it to dump trucks that discharge the materials to a hopper. From the hopper the materials are transported via transfer conveyors to a common belt conveyor that leads to the Plant stockyard.

The conveyor system from Port to Plant will be closed and above ground.

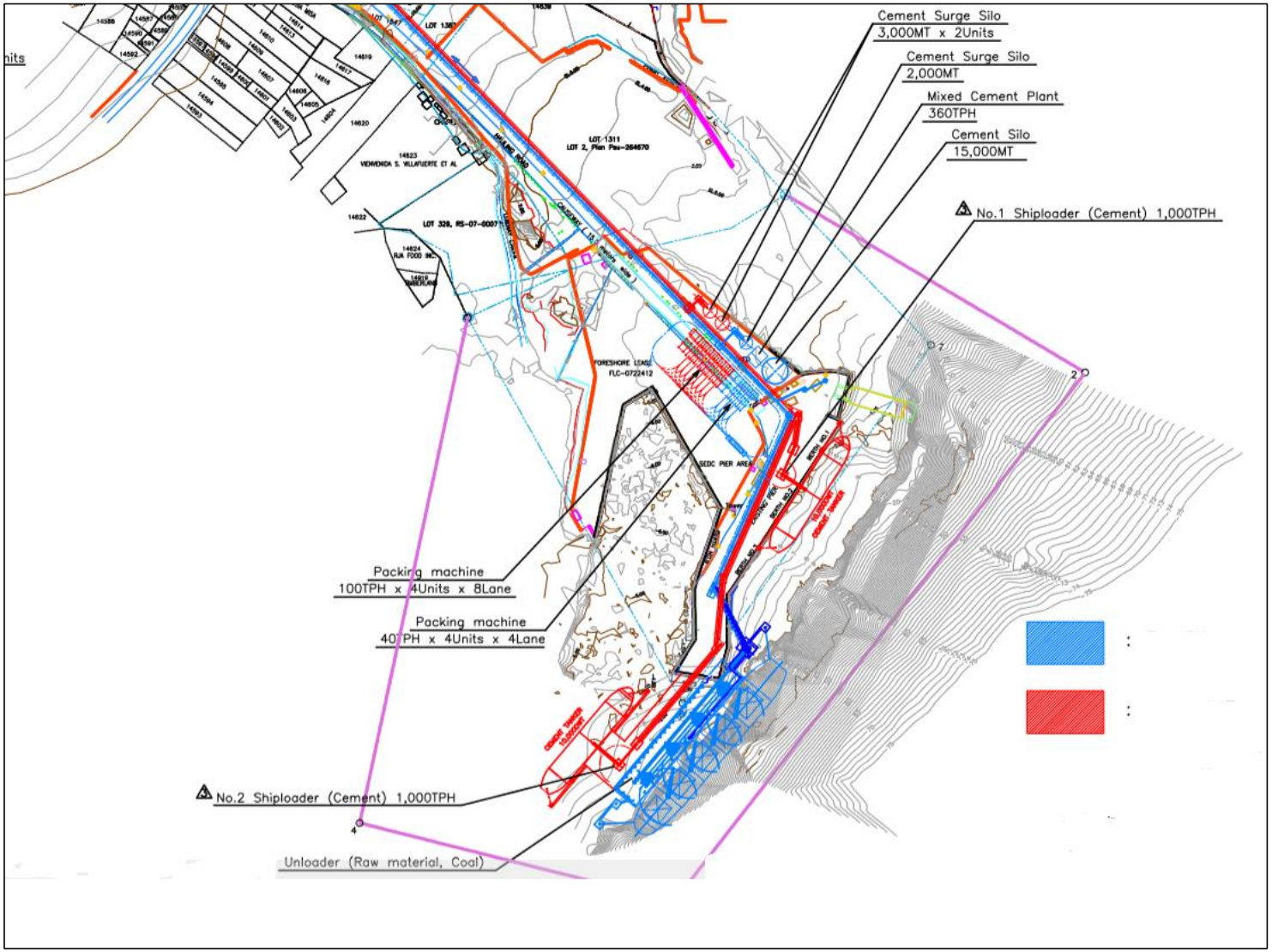


Figure 3. Updated Site Development Plan (Port)

Fly Ash Cement is unloaded from 10,000T Cement Tanker/3,000T Cement Barge using pneumatic systems directly to a 15,000T silo. From the silo thru a series of air slides and a bucket elevator, Fly ash cement is conveyed to weigh feeders and into a mixing tank where it is mixed with T1 cement from the Plant stored in a 2,000T silo. The ratio of the mix determines the product: TP or T1P cement. These products are then stored into their respective 100T silos via air slides and diverter flaps.

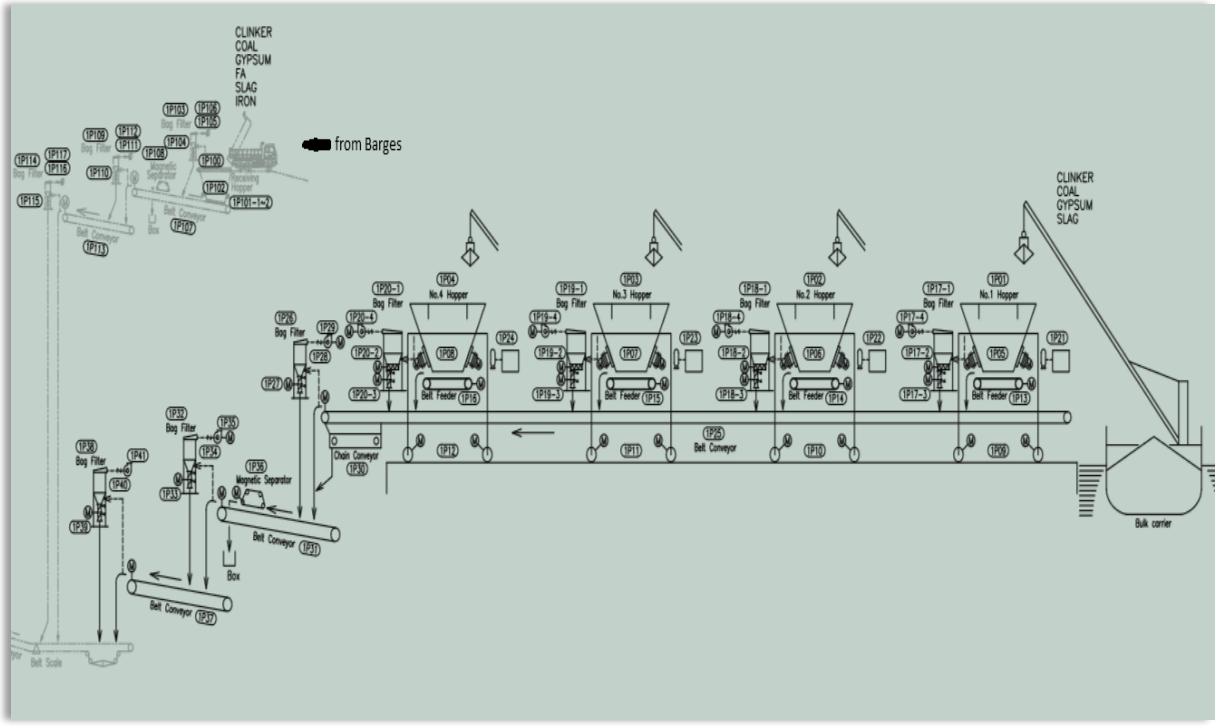


Figure 4. Diagram SEDC Port Operations

Table 6. Specifications of Berthing Area and Transportation System for receiving clinker, coal and additives

Item No.	Equipment Name and Specification	Quantity
1	Hopper and Belt Feeder Capacity — Max. 200 t/h Drive — 15 kW Belt feeder — 200 t/h Bag Filter Vibrator Movable system	4 sets
2	Belt conveyor Capacity — Max. 750 t/h Drive — 37 kW Belt width — 1050 mm Bag Filter	1 set
2	Belt conveyor Capacity — Max. 750 t/h Drive — 37 kW Belt width — 1050 mm Bag Filter	1 set

Item No.	Equipment Name and Specification	Quantity
4	Belt conveyor Capacity Max. 750 t/h Drive 37 kW Belt width 1050 mm Bag Filter	1 set
5	Belt conveyor Capacity Max. 750 t/h Drive 200 kW Belt width 1050 mm 2 way Bag Filter Belt scale Water cleaning system	1 set
6	Receiving Hopper Volume (Hopper) 10 cubic meter	1 set
7	Belt conveyor Capacity Max. 500 t/h Drive 45 kW Belt width 1600 mm Bag Filter	1 set
8	Belt conveyor Capacity Max. 500 t/h Drive 30 kW Belt width 1050 mm Bag Filter	1 set
9	Belt conveyor Capacity Max. 500 t/h Drive 30 kW Belt width 1050 mm Bag Filter	1 set
10	Bucket elevator Capacity Max. 500 t/h Drive 90 kW Bucket Height 29.5 m Bag filter	1 set
11	Air slide conveyor Capacity Max. 500 t/h Drive 22 kW Belt width 600 mm Fan	1 set
12	Cement Silo Volume 200 cubic meter Bag filter	1 set

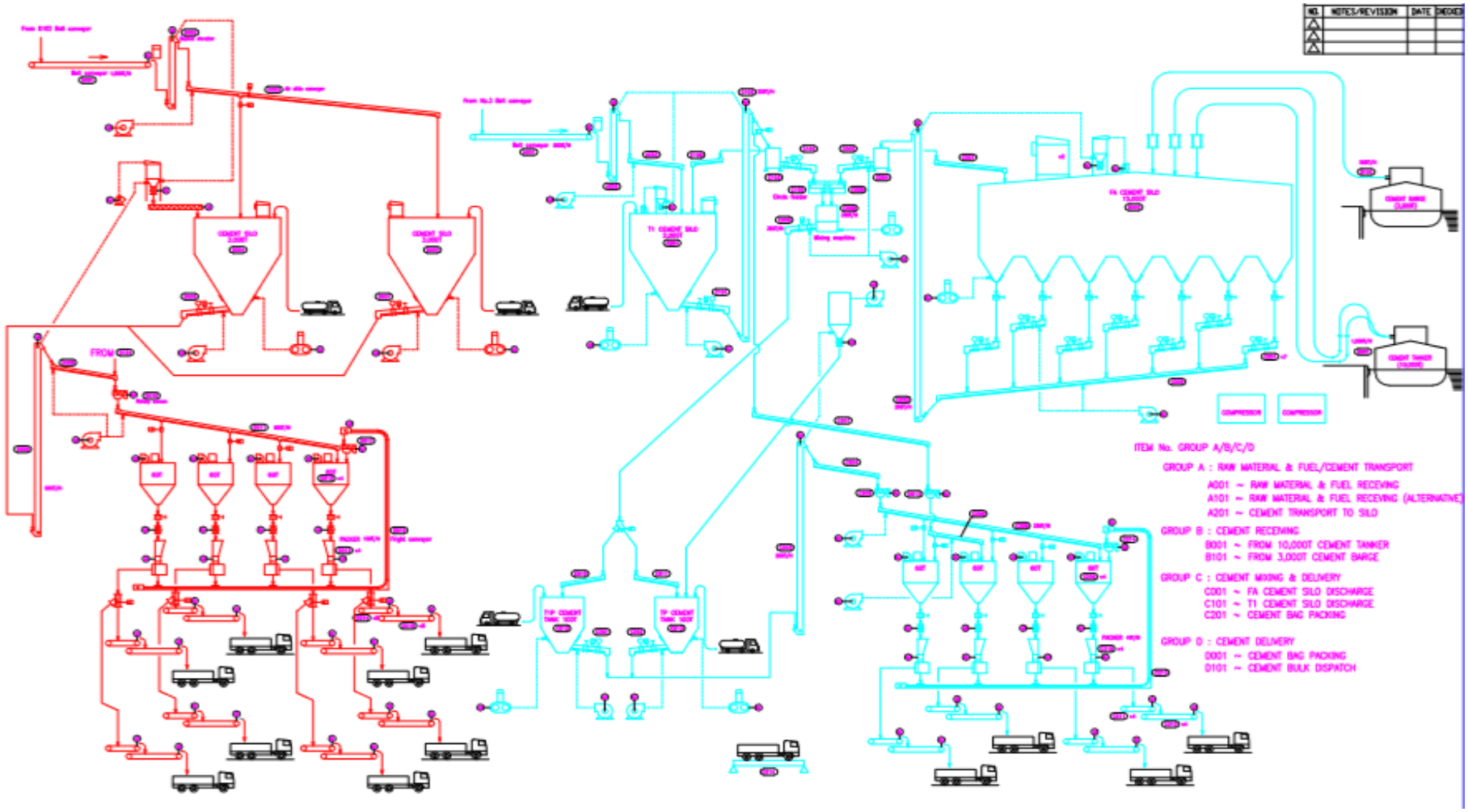


Figure 5. Detailed Diagram for Flyash Cement Unloading, Cement Mixing and Cement Packing

1.5.3.1.2 CAUSEWAY

The 270-meter long and 15-meter wide existing causeway is covered by 2000 ECC Amendment (inclusion of pier) of GCMC. Photos are shown in Plate 1.

Plate 1. Existing Causeway at the Port

1.5.3.1.3 FRONT DOCKING AREA

The existing Front Docking Area (Plate 2) is approximately 330-meter long and 30-meter wide.

Plate 2. Existing Front Docking Area at the Port

1.5.3.1.4 CEMENT BAG PACKING AND BULK LOADING (PORT AREA)

TP and T1P cement from 100T silos are withdrawn and transported using air slides and bucket elevators to four (4) feed bins for packing into 40kg cement bags by 40TPH packing machines. Cement bags are loaded into 10-wheeler cargo trucks for delivery.

T1 and T1P Cement from the plant is transported to two (2) 15,000T silos and two(2) 3,000T silos or can be loaded directly to cement tankers by a system of closed conveyors, bucket elevators, air slides and shiploaders. From the 15,000T silos, thru a series of air slides and bucket elevators cement can either be loaded directly to cement tankers via movable shiploaders or transported to four (4) feed bins for packing into 40kg cement bags by 100TPH packing machines. Cement from the two (2) 3,000T silos are also packed in this facility. Cement bags are loaded into 10-wheeler cargo trucks for delivery. Cement from the 3,000T silos can also be coursed to this packhouse for packing and delivery.

All cement silos can also be loaded pneumatically using bulk trucks for operational flexibility.

Cement from 6,000T bulk carriers docked at the port will be transported to a 300T capacity Cement Tank through a pneumatic conveying system. From the tank, cement will be conveyed through air slides either to bulk loaders

or to a bucket elevator and two feed bins. From the feed bins cement will be packed by four packers at the packhouse. Bulk cement will be transported to the plant while packed cement is dispatched to cargo vessels.

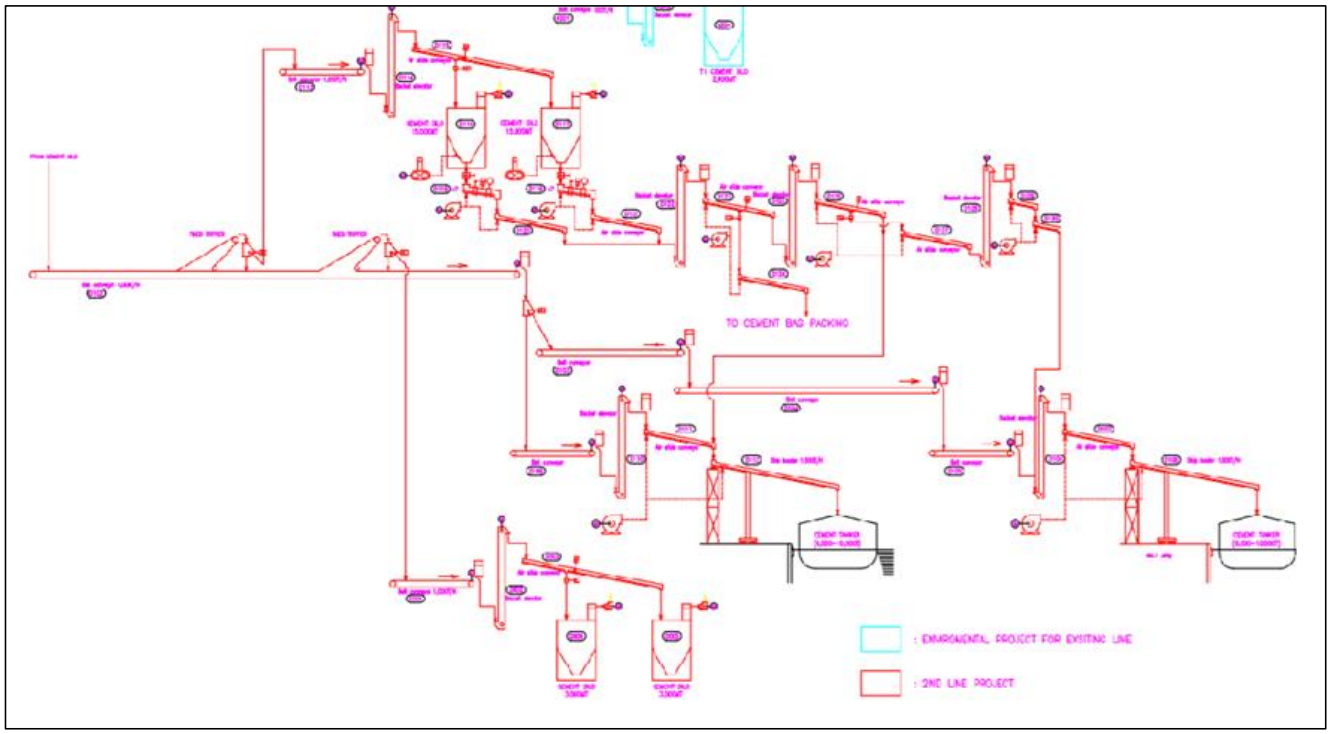


Figure 6. Cement Bag Packing and Bulk Loading Flow Diagram

Table 7. Specifications of Cement Bag Packing and Bulk Loading Facility

Item No.*	Equipment Name	Specification
Cement receiving from 6,000 ton Cement Tanker		
B001	Pneumatic Pipe Line	1 Line Straight pipe: 410 m
B101	Pneumatic Pipe Line	1 Line Straight pipe: 105 m
B102	Cement Tank	1 Set Capacity: 300 ton Size: 8m x 13.5mH Type: Steel Tank
B103	Bag Filter	1 Set Type: Bin Mount Type Filtering Area: 450 m^2
C001	Air Slide	1 Set Capacity: 240 t/h Size: 400 mm x 4,600 mm
C002	Bucket Elevator	Capacity: 240 t/h Type: High Speed Chain
C003	Air Slide	1 Set Capacity: 240 t/h Size: 400 mm x 21,400 mm
C004	Rotary Screen	Capacity: 240 t/h
C005	Air Slide	1 Set Capacity: 240 t/h Size: 400 mm x 19,000 mm

Item No.*	Equipment Name	Specification
C006	Packer Feed Bin	2 Sets Capacity: 60 ton Size: 4,800 mm x 4,600 mm x 9,800 mm H
C007	Bag Filter	2 Sets Type: Bin Mount Type Capacity: 500 m^2/min Filtering Area: 340 m^2
C008	Packer	4 Sets Type: Inline Type 4 Tubes Capacity: 40 t/h
C009	Belt Conveyor	4 Sets Capacity: 40 t/h (Cement Bag) Belt Width: 600 mm Belt Length: 2,000 mm
C010	Belt Conveyor	4 Sets Capacity: 40 t/h (Cement Bag) Belt Width: 600 mm Belt Length: 9,000 mm
C011	Loop Conveyor	1 Set Type: Flight Conveyor Capacity: 10 t/h
C012	Rotary Screen	1 Set Capacity: 10 t/h
C013	Truck Scale	1 Set Type: Pit less type Load cellx8 pcs Capacity: Max. 80 ton
C014	Bag Filter	1 Set Type: Pulse Jet Type Capacity: 120 m^3/min Filtering Area: 120 m^2
C015	Compressor	1 Set Type: Screw Compressor (Oil Free Type) Capacity: 9.4 m^3/min
C101	Air Slide	2 Sets Capacity: 240 t/h
C102	Loading Chute Drive	4 Sets 0.4 kW
C103	Bag Filter	4 Sets Type: Pulse Jet Type Capacity: 25m^3/min Filtering Area: 25 m^2

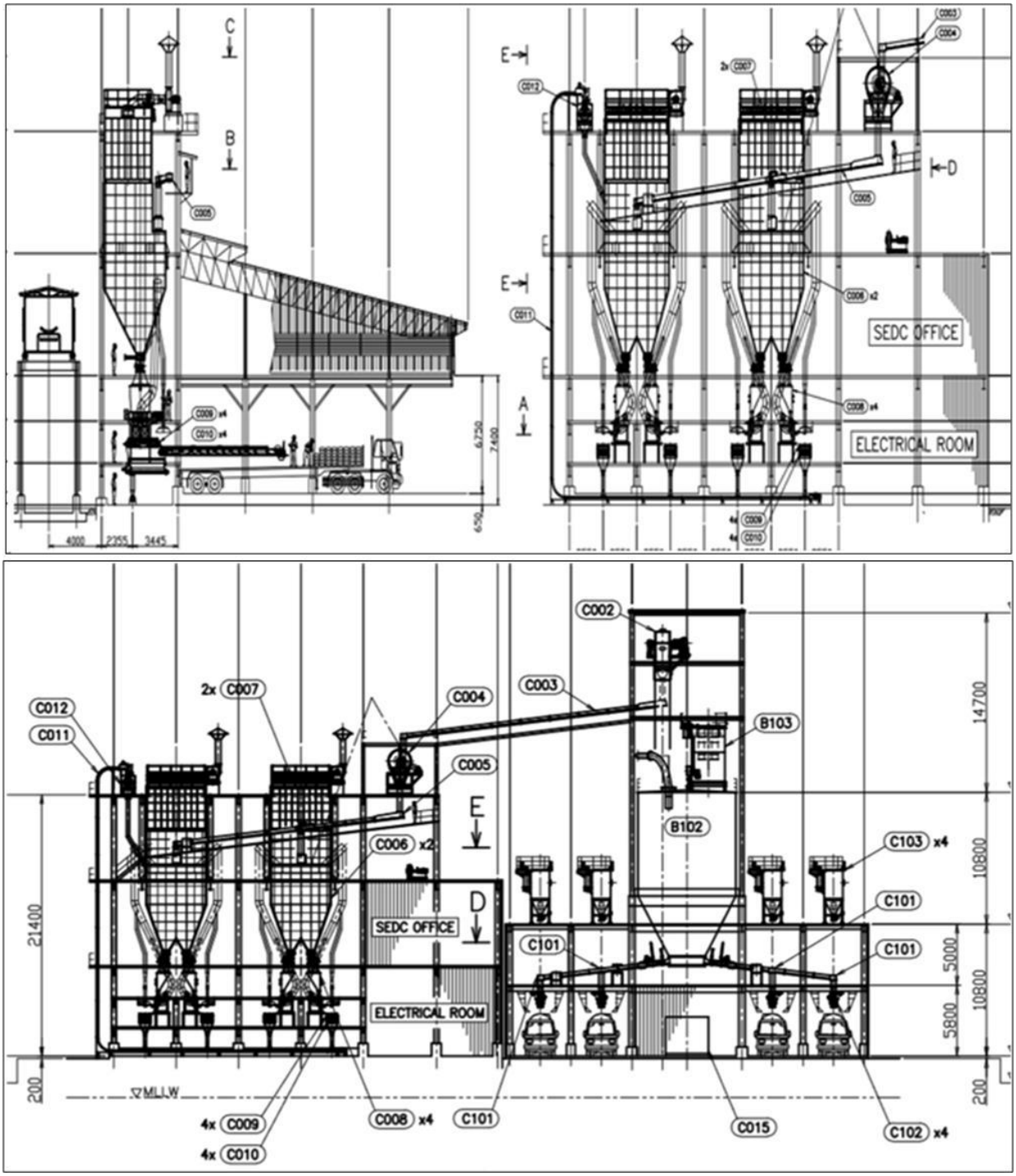


Figure 7. Drawing Arrangement for Packhouse, Bulk Loading and Office

1.5.3.2 Support Facilities (Port)

Support facilities include an SEDC office which will be integrated with the Packhouse.

1.5.3.3 Pollution Control Facilities (Port)

Photos of the pollution control facilities at the Port are shown below.

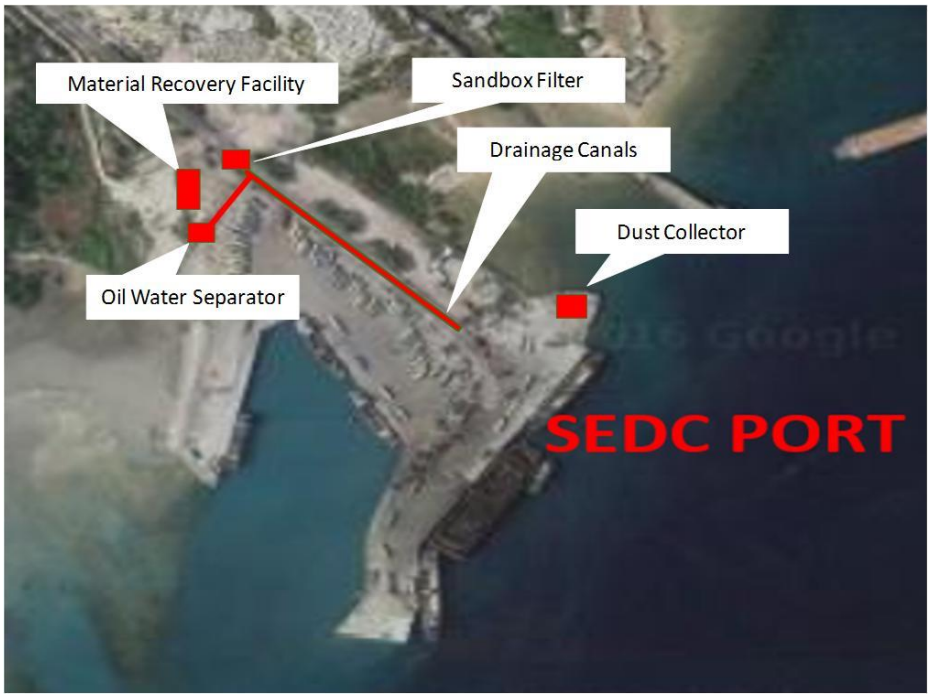


Figure 8. Location of Pollution Control Facilities at the SEDC Port

1.5.3.3.1 WATER QUALITY MANAGEMENT

Plate 3. Sand box filter for surface runoff

Plate 4. Surface Drainage System Leading to an Oil and Water Separator Sump

1.5.3.3.2 WASTE MANAGEMENT

SEDC implements its Waste Management Procedure to ensure proper handling, segregation, collection and disposal of all types of waste generated from SEDC's administrative and operational activities. Also to provide guidelines and requirements necessary for the efficient, effective and compliant waste management. Presented below is SEDC's Waste Management Procedure:

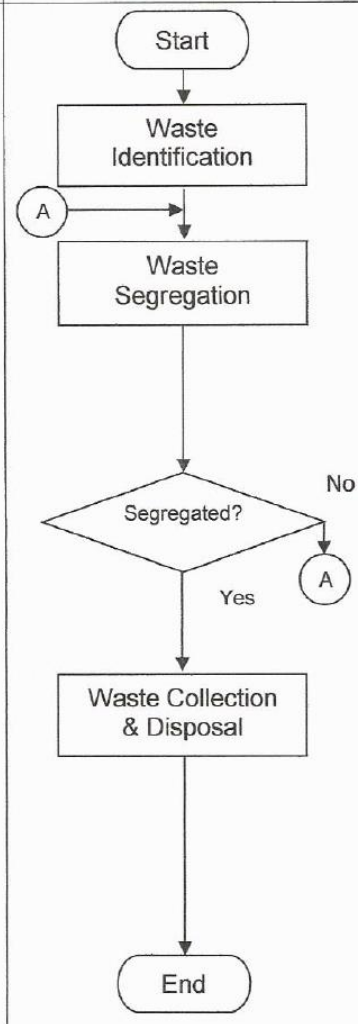
No.	Flow Chart	Responsibility	Procedure
			
01		All Employees	01. Identify wastes generated from your office. Refer to Definition of Terms as to its type.
02		All Employees	02. Segregate wastes accordingly. Place them in their respective receptacles provided.
		Pollution Control Officer	Ensure that storage and segregation of wastes in the MRF is practiced.
03.		Pollution Control Officer	03. Segregated wastes shall proceed to collection and disposal. Non-segregated wastes shall be retained for segregation.
04.		Administration Manager	04. For office wastes, coordinate with TCPI – Admin to ensure that wastes are collected as per schedule.
		Pollution Control Officer	All other wastes shall be coordinated with LGU to ensure timely collection and disposal. Recyclables and Hazardous waste are to be coordinated to accredited buyers/ treaters for a separate collection.

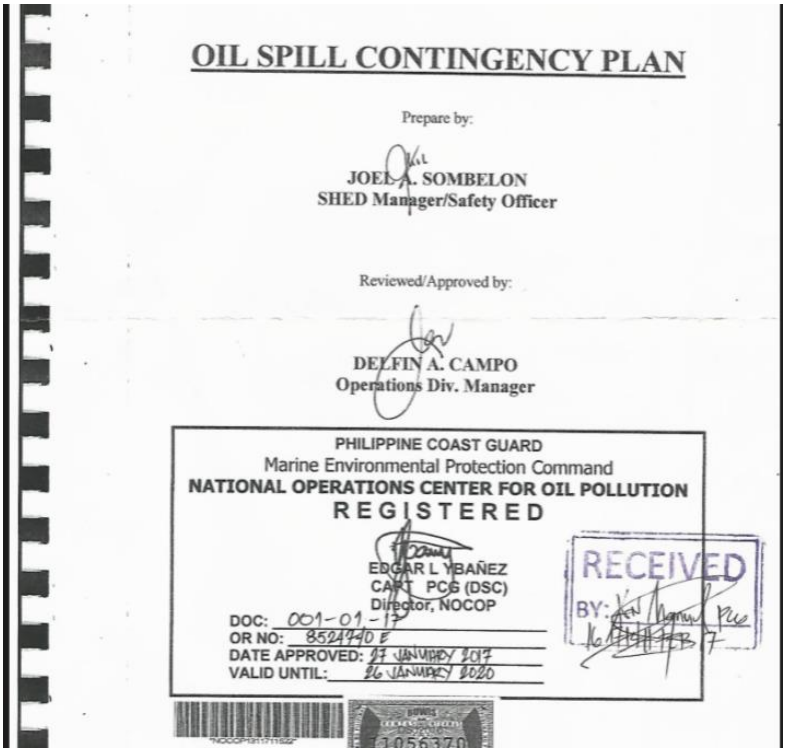
Plate 5. Materials Recovery Facility (MRF) for Waste Management

1.5.3.3.3 Air Pollution Control

Plate 6. Dust Collector to control dust emission during clinker receiving operations

Plate 7. Water Truck regularly watering the Port Area for dust control

1.5.3.3.4 Oil Spill Response



OIL SPILL CONTINGENCY PLAN

Prepare by:

JOEL A. SOMBELON
SHED Manager/Safety Officer

Reviewed/Approved by:

DELFIN A. CAMPO
Operations Div. Manager

PHILIPPINE COAST GUARD
Marine Environmental Protection Command
NATIONAL OPERATIONS CENTER FOR OIL POLLUTION
REGISTERED

EDGAR L YBAÑEZ
CAPT PCG (DSC)
Director, NOCOP

DOC: 001-01-17
OR NO: 8524940 E
DATE APPROVED: 27 JANUARY 2017
VALID UNTIL: 26 JANUARY 2020

RECEIVED
BY:

Plate 8. Certificate of Approved Oil Spill Contingency Plan

Plate 9. Oil spill response equipment and spill booms

Plate 10. Tugboat and Patrol Boat for Boom Deployment and Spill Recovery

Plate 11. Back up Spill Boom

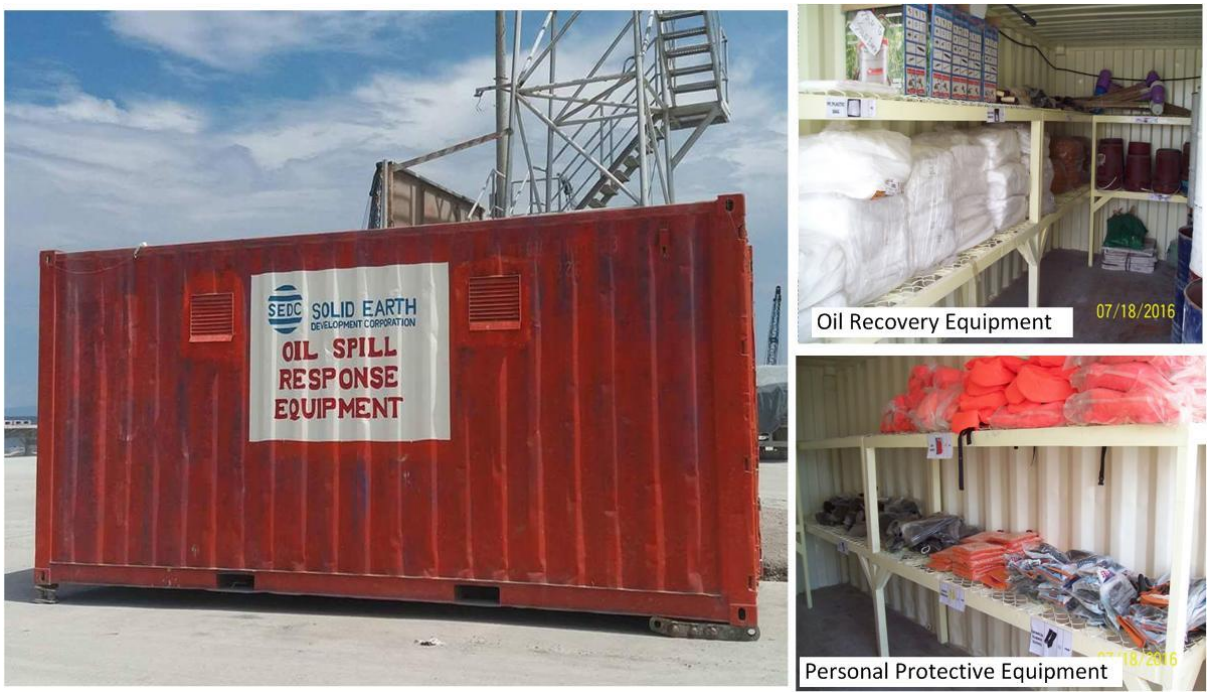


Plate 12. Oil Spill Response Equipment

1.6 PROCESS / TECHNOLOGY

1.6.1 QUARRYING

Mining is done using digging, excavating, ripping and dozing equipment. Materials that are excavated, ripped and dozed will be stockpiled at the quarry floor and reclaimed using front-end loaders into 20-tonner haul trucks for transport to the crusher.

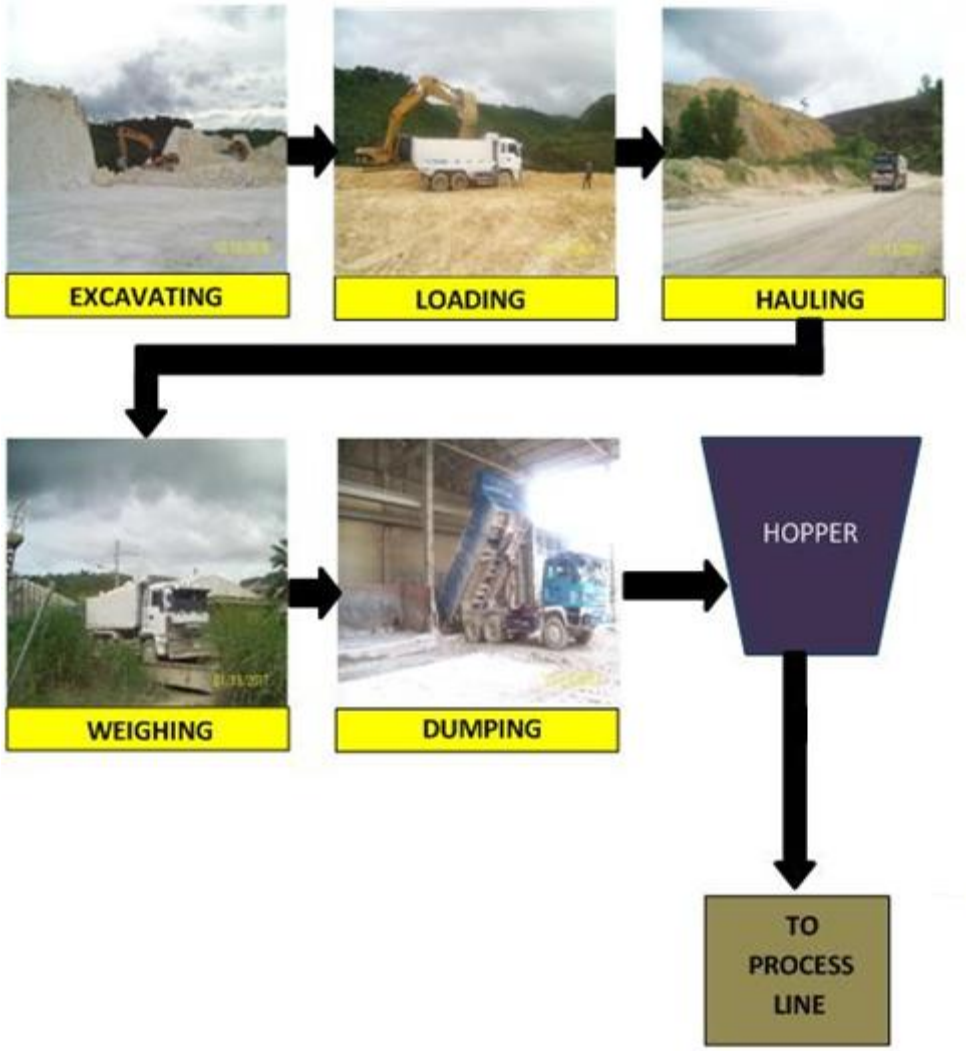


Figure 9. Limestone Quarry Operation Flowchart Plan

1.6.2 RECEIVING AND TRANSPORT OF CLINKER, COAL AND RAW MATERIALS

Raw Materials such as Gypsum, Fly Ash-Cement, Slag and Iron concentrate as well as Coal and Clinker are unloaded from Bulk Carriers, Cargo Vessels and Barges using two options that depends on berth availability and other operating conditions like climate conditions, physical properties of materials, equipment availability, etc.

Option 1: From bulk carriers, the materials are unloaded by grab buckets and discharged into 4 travelling receiving hoppers each integrated with its own dedusting system using bag filters. From the hoppers, the materials are transported to the Plant stockyard via a series of belt conveyors.

Option 2: From cargo vessels, the materials are unloaded by clam shells into barges that travels and docks at the port's Alpha and Echo Beaching Area. Payloaders reclaim the materials from inside the barges and transfer it to

dump trucks that discharge the materials to a hopper. From the hopper the materials are transported via transfer conveyors to a common belt conveyor that leads to the Plant stockyard.

The conveyor system from Port to Plant will be closed and above ground.

1.6.3 Cement Bulk Loading and Cement Packing

TP and T1P cement from 100T silos are withdrawn and transported using air slides and bucket elevators to four (4) feed bins for packing into 40kg cement bags by 40TPH packing machines. Cement bags are loaded into 10-wheeler cargo trucks for delivery.

T1 and T1P Cement from the plant is transported to two (2) 15,000T silos and two (2) 3,000T silos or can be loaded directly to cement tankers by a system of closed conveyors, bucket elevators, air slides and shiploaders. From the 15,000T silos, thru a series of air slides and bucket elevators cement can either be loaded directly to cement tankers via movable shiploaders or transported to four (4) feed bins for packing into 40kg cement bags by 100TPH packing machines. Cement from the two (2) 3,000T silos are also packed in this facility. Cement bags are loaded into 10-wheeler cargo trucks for delivery. Cement from the 3,000T silos can also be coursed to this packhouse for packing and delivery.

All cement silos can also be loaded pneumatically using bulk trucks for operational flexibility.

Port operations are summarized in the flow chart shown in Figure 10.

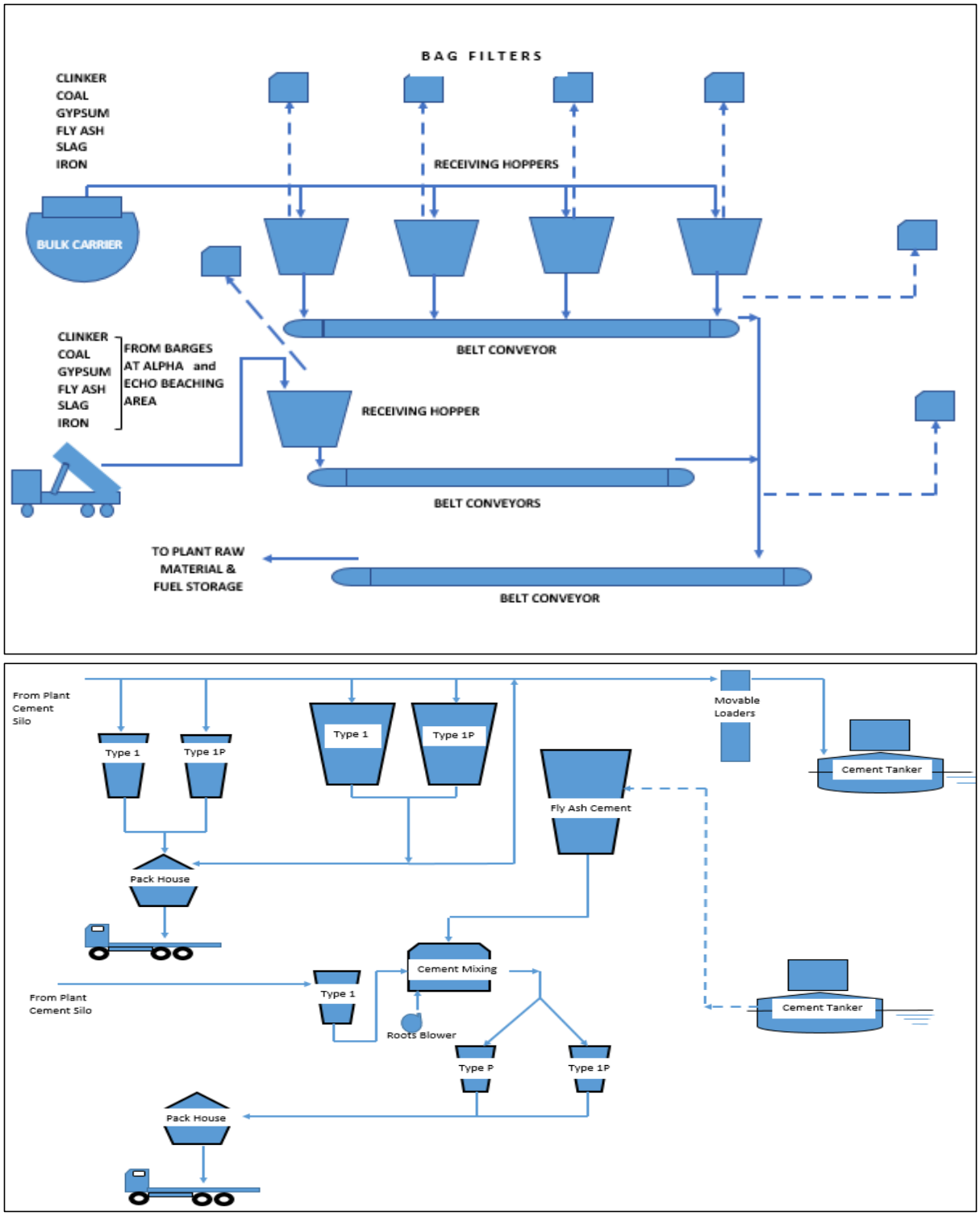


Figure 10. Port Operations Flow Chart

1.7 PROJECT SIZE

The project area distribution and mineral reserves are presented in the following table:

Table 8. Project area distribution and reserves

	Existing	Amended	Existing	Amended
AMENDMENT	**MPSA 067-A**		**MPSA 205**	
Location	South Poblacion, Tananas, Tinubdan, Tonggo, San Fernando Cebu	South Poblacion, Tananas, Tinubdan, Basak, Tonggo, San Fernando Cebu	Tinubdan, Tonggo, San Fernando Cebu	Tinubdan, Tonggo, San Fernando Cebu (No changes)
Production Area (ha)	Existing = 39 hectares	Additional Production Area = 269.29 has	50 hectares	50 hectares
	Total Production Area: 319.29 hectares			
Annual Production	3,500,000 MT	4,050,000 MT	750,000 MT	750,000 MT
	Total Annual Production: 4,800,000 MT			
Mineral Reserves	Active = 5,000,000 Tonggo = 20,000,000 Tananas = 70, 000, 000 Total = 95, 000, 000	Total = 95, 000, 000 MT	15,000,000 MT	15,000,000 MT
	Total = 110,000,000 MT			

1.8 Development Plan, Description of Project Phases and Corresponding Timeframes

1.8.1 Operation Phase

1.8.1.1 Project Schedule

Although the project is already in its operation phase, SEDC have yet to construct the remaining project components at the Port to make its operations more efficient. It should be noted however that the facilities to be constructed are already covered by the existing ECC and that SEDC will just implement the project design which was already conceptualized and declared in the 1997 EIS. Project status is presented in Table 9.

Table 9. Status of Project Components

Project Component	Status
QUARRY	
i. Development	Pre-operational
ii. Production	Operational
iii. Overburden/Topsoil Stockyard	Operational
iv. Raw Materials Stockyard	Operational
v. Silt Ponds and Oil Water Separators	Operational
vi. Drainage System	Operational
PORT	
i. Berthing Area and Transport System for Receiving Raw Materials, Cement, Clinker, Coal and Additives	To be constructed
ii. Causeway	Existing and operational
iii. Front Docking Area	Existing and operational
iv. Packhouse, Cement Silos and Bulk Loading	To be constructed

1.8.1.2 Quarrying Equipment

The basic equipment and facilities which will be used in the project operation are the following. Additional equipment will be provided as necessary.

Table 10. List of quarrying equipment to be used in project operation.

Equipment	Capacity / Class	No. of Units	Use
Dump trucks	20 tons	12	Limestone quarry hauling
Loaders	3 cu. m	6	Limestone quarrying
Bulldozers	Cat D8-N, Komatsu D155	3	Limestone quarrying
Motor grader	GD-31	2	Road maintenance
Water truck	10 cu. m	2	Road maintenance
Truck with crane	5,000 kg	1	Service equipment
Backhoe with breaker	1.5 cu. m	2	Reduction of boulders and maintenance of slope stability
Lube truck	4,000 liters	1	Truck lorry equipment
Cargo truck	10 MT	1	Truck lorry equipment

1.8.2 Decommissioning / Abandonment / Rehabilitation

SEDC has already submitted a Final Mine Rehabilitation and Decommissioning Plan (FMRDP) which was duly approved by MGB on 15 October 2011. The Company's closure policy is as follows.

- There shall be stakeholder' consultation during the formulation of the detailed closure plan;
- The interests of the different stakeholders shall always be considered;
- The closure process should be orderly, cost-effective and timely;
- The cost of the mine closure shall be budgeted and shall be deposited in a staggered manner for ten years in a government depository bank. The deposit shall start on the third year upon the approval of the FMRDP;
- To closely coordinate with DOLE, LGU, MGB, EMB, DENR in assuring a smooth closure so that concerns with labor, LGU, community and the government will be adequately heard, considered and acted.

1.9 Manpower

The total operational workforce for the port and quarry operations is as follows:

Table 11. Existing workforce of the Project

Job Description / Expertise	Existing No. of Employees
A. SEDC	
Executive	2
Advisers	2
Division Manager	2
Department Manager	1
Assistant Department Manager	6
Section Head	3
Supervisor	3
Admin/Office based Positions	14
Technical Staff	14
Sub-total SEDC	***47***
B. CONTRACTOR (Outsourced)	
B.1 Mining Service Provider (Triple 8 Resources and Development Corporation)	
Executive	1
Manager	3
Admin accounting	2

Job Description / Expertise	Existing No. of Employees
Mining Engineer	1
Safety Officer / Inspector	2
Foreman	2
Quarry Aide	8
Drivers	30
HE Operators	9
Shop Crew / Personnel	30
Sub-total B.1:	***88***
B.2 Survey Aide, Maintenance Crew, driver, Port Crew (F.A. Manpower Corporation)	
Supervisor	4
R and F	22
Sub-total B.2:	***26***
B.3 Arrastre and Stevedoring of Port Services (SAFISCOR)	
Executives	4
Admin Head	1
Admin Assistant	1
Admin Staff	11
Port Master	1
Arrastre Personnel	228
Accounting Head	1
Accounting Staff	3
Finance Head	1
Finance staff	1
Safety Head	1
Safety Staff	6
Sub-total B.3:	**259**
Sub-total CONTRACTORS	***373***
TOTAL WORKFORCE	**420**

ATTACHMENT 2

PROOF OF CONDUCT OF IEC

PRE-EIS Information and Education and Communications (IEC) Campaign Documentation Report for the Limestone Quarry Expansion Project (MPSA 067A, MPSA 205)

I. Objective

In compliance with DAO 2017-15 or the Guidelines on Public Participation under the Philippine Environmental Impact Statement System, Information and Education and Communications (IEC) Campaign Activities on the Limestone Quarry Expansion Project (MPSA 067A, MPSA 205) was conducted from November 14 – December 3, 2018 in various locations in San Fernando, particularly in the Impact Barangays and with Key Stakeholders.

II. Activities

The IEC Activities conducted were the following:

1. Courtesy Calls and Consultations with :
   a. Municipal LGU Official and Personnel
   b. Barangay Officials and Personnel
   c. School Officials and Personnel
2. Project Description Presentation and Discussions with Key Stakeholders and Stakeholder Representatives;
3. Distribution of Brochures
4. Placement of Posters

III. Time Frame and Duration

The time frame and duration of the IEC activities was from November 12 – December 3, 2018.

- The Courtesy Calls and Consultations with Municipal LGU Official and Personnel, as well as Barangay Officials and Personnel were conducted within November 14 – December 3, 2018.
- The Project Description Presentation and Discussion was on November 14, 2018 Wednesday in the morning.
- The distribution of brochures was conducted from November 26 – December 3, 2018.
- The placement of posters was conducted from November 26 – December 3, 2018.

IV. Locations and Venues

The locations and venues of the IEC Activities were in the Impact Barangays as well as the SEDC Conference Room.

V. Contents

The content of the IEC Discussions and material were the following:

1. Philippine Environmental Impact Statement System (PEISS)
2. Project Description
3. Proponent Details
4. Other General Project Related Information

As these were just the initial IEC Activities held, more in-depth and broad activities are lined up in the following days and months up to until, during, and even following the completion of the project.

Summary Matrix for the Pre-Public Scoping IEC

Project	Limestone Quarry Expansion Project (MPSA 067A, MPSA 205) Pre-Public Scoping IEC
Subject	Limestone Quarry Expansion Project (MPSA 067A, MPSA 205)
Objective	Limestone Quarry Expansion Project (MPSA 067A, MPSA 205) Pre-EIS Public Participation Compliance as per DAO 2017-15 or the Guidelines on Public Participation under the Philippine Environmental Impact Statement System
Activities	1. Courtesy Calls and Consultations with: a. Municipal LGU Official and Personnel b. Barangay Officials and Personnel c. School Officials and Personnel 2. PEISS and Project Description Presentation with Key Stakeholders and Stakeholder Representatives, 3. Consultation with PG-ENRO 4. Distribution of Brochures 5. Placement of Posters
Time frame/Duration	• November 14 – December 3, 2018 • 3 weeks
Location	Municipality of San Fernando 1. SEDC Conference Room, South Poblacion, San Fernando 2. Brgy. South Poblacion 3. Brgy. Tonggo 4. Brgy. Tinubdan 5. Brgy. Tananas
Contents	1. Philippine Environmental Impact Statement System (PEISS) 2. Project Description 3. Proponent Details 4. Other General Project Related Information

Summary Matrix for the Pre-Public Scoping IEC Activities

#	IEC Activities Conducted	Time Frame/ Duration	Location/ Venue	Remarks
1	Courtesy Calls and Consultations with Barangay Officials	November 14 – December 3, 2018	Brgy. Halls	
2	PEISS and Project Description Presentation with Key Stakeholders and Stakeholder Representatives	November 14, 2018 10am-12noon	SEDC Conference Room, South Poblacion	Attendance: 66 Pax Total Audience
3	Brochure Distribution	November 26 – December 3	• SEDC Conference Room • Impact Brgys (4)	
4	Placement of Posters	November 26- December 3	Brgy. Halls	

VI. Comments, Issues and Concerns, and Suggestions Raised

#	Issues and Concerns	Participant	Response	Respondent
1	Continuous request to DENR and MGB on Survey, Inspection, Assessment of Mined Out Areas in our Barangay for Safety Concerns have yet to be addressed.	Brgy. Capt. Arriesgado – Brgy. Magsico	Even though we are not the regulatory agencies, we still took initiative to address the concerns and request, and we are actually having a site visit with the PG-ENRO in the area scheduled within the day.	Mr. Samuel Tagsip – Operations Div Mngr - SEDC
2	We also have a pending request for backfill	Brgy. Capt. Arriesgado – Brgy. Magsico	We shall see how we may address it	Mr. Samuel Tagsip – Operations Div Mngr - SEDC
3	Research on co-relation of present prevalent upper respiratory tract infection with the presence of the quarrying and cement processing and plant activities in the area. Coordinate and joint research with the LGU and Health Office	Mayor Reluya – Mun. of San Fernando	We coordinate with the health office re health, medical missions and research. We do not have the skillsets and technical know-how and manpower, nor know who to engage to undertake such research, but we are willing to support such undertaking.	Ms. Mitzie Carin – HRA Manager - SEDC
4	Coordinate and joint research with the LGU and Health Office	Mayor Reluya – Mun. of San Fernando		
5	Any MPSA Application is plotted in our GIS Map. So far we have plotted 7 applications already, albeit this is not yet updated. Based on our plotting, the larger part of our town is already under MPSA applications, there seems to be very little to almost none remaining for the Town itself.	Mayor Reluya – Mun. of San Fernando	Clarified re MPSA and EIA	Engr. Aramando L. Malicse – MSESDD Chief - MGB VII
			Clarified the difference between mining rights and surface rights	Ms. Mitzie Carin – HRA Manager - SEDC
			Exploration Permit, EIA Process Show actual Quarry Area +expansion	Engr. Aramando L. Malicse – MSESDD Chief - MGB VII
6	Clarification re MPSA MPSA for minable areas vs MPSA for approved Final Area	Brgy. Capt. Arriesgado – Brgy. Magsico	Clarification on the difference of the MPSA, ECC, Buffer Areas and Production Areas	Mr. Samuel Tagsip – Operations Div Mngr – SEDC

VII. Photo Documentation during the IEC Activity

Figure 1. Consultation/Courtesy Calls, PEISS and Project Description Presentation

Figure 2. Placement of Posters

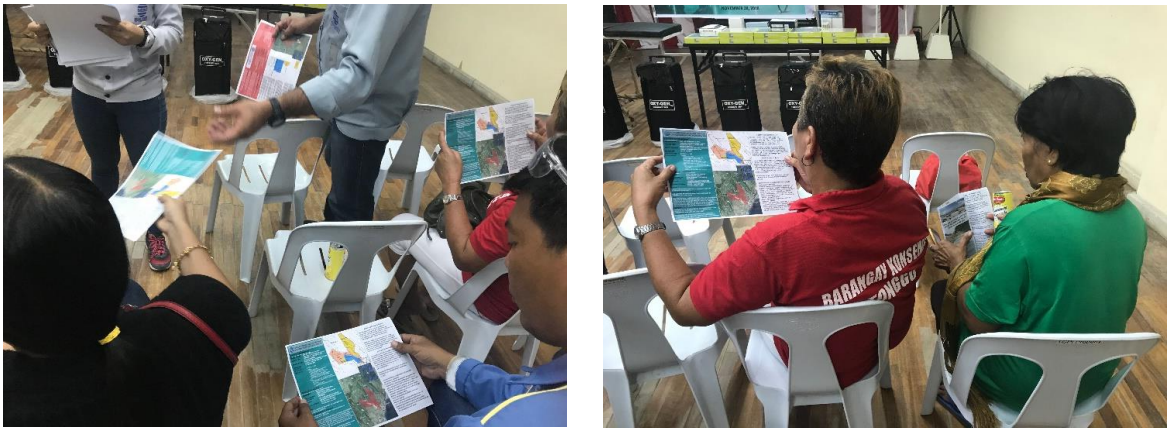


Figure 3. Distribution of Brochures

ATTACHMENT 3

PRE-PUBLIC SCOPING PARTICIPATORY GATHERING

PRE-PUBLIC SCOPING PARTICIPATORY DATA GATHERING

Documentation Report for the

Limestone Quarry Expansion Project

(MPSA 067A, MPSA 205)

I. Objective

In compliance with DAO 2017-15 or the Guidelines on Public Participation under the Philippine Environmental Impact Statement System, Participatory Data Gathering Activities on the Limestone Quarry Expansion Project (MPSA 067A, MPSA 205) was conducted from November 14 – December 3, 2018 in various locations in San Fernando, particularly in the Impact Barangays and with Key Stakeholders.

II. Activities

The Participatory Data Gathering Activities conducted were the following:

1. Key Informant Interviews (KIIs)
2. Focus Group Discussions (FGDs)
3. Perception Survey

III. Time Frame and Duration

The time frame and duration of the Participatory Data Gathering Activities was from November 12 – December 3, 2018.

- The Key Informant Interviews were held on November 14, 2018 Wednesday at 2pm.
- The Focus Group Discussion was held on November 20, 2018 Tuesday
- The Perception Survey

IV. Locations and Venues

The locations and venues of the Participatory Data Gathering Activities were in the Impact Barangays.

Summary Matrix for the Pre-Public Scoping the Participatory Data Gathering

Project	Limestone Quarry Expansion Project (MPSA 067A, MPSA 205) Pre-Public Scoping the Participatory Data Gathering
Subject	Limestone Quarry Expansion Project (MPSA 067A, MPSA 205)
Objective	Limestone Quarry Expansion Project (MPSA 067A, MPSA 205) Pre-Public Scoping Public Participation Compliance as per DAO 2017-15 or the Guidelines on Public Participation under the Philippine Environmental Impact Statement System
Activities	1. Key Informant Interviews (KIIs) 2. Focus Group Discussions (FGDs) 3. Perception Survey
Time frame/Duration	• November 14 – December 3, 2018 • 3 weeks
Location	Municipality of San Fernando 1. Brgy. South Poblacion 2. Brgy. Tonggo 3. Brgy. Tinubdan 4. Brgy. Tananas

Summary Matrix for the Pre-Public Scoping Participatory Data Gathering Activities

#	Participatory Data Gathering Activities Conducted	Time Frame/ Duration	Location/ Venue	Remarks
1	Key Informant Interviews (KIIs)	November 14, 2018	Tananas Brgy. Hall	Respondents: Brgy. Officials
2	2.Focus Group Discussions (FGDs)	November 20, 2018 10am-12noon	Tabionan Brgy Hall	Participants: BHWs
3	Perception Survey	November 21 – November 30, 2018	Impact Brgys: 1. South Poblacion 2. Tonggo 3. Tinubdan 4. Tananas	Purposive Sampling 100 respondents

V. Demographic Data of Respondents in the Impact Barangays

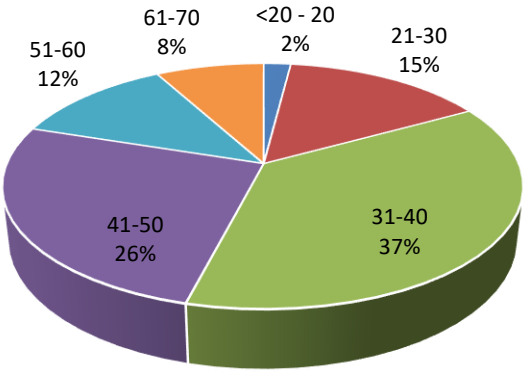


Figure 1. Age of the respondents

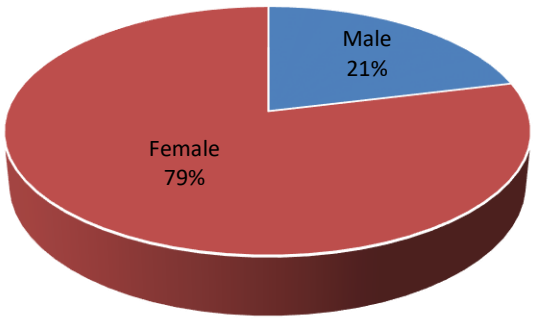


Figure 2. Gender of the respondents

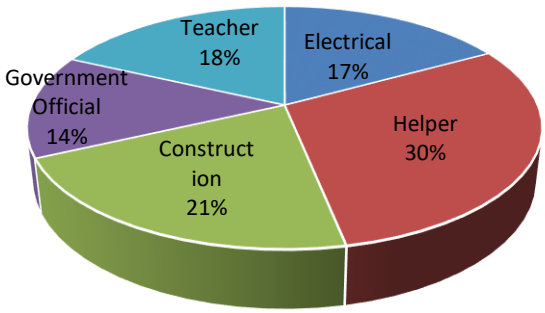


Figure 3. Source of Income

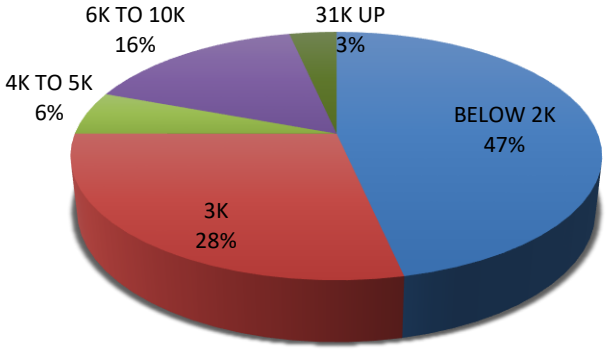


Figure 4. Monthly Income of the respondents

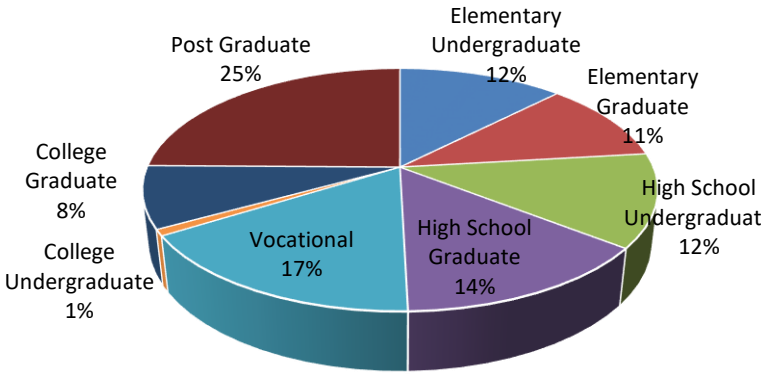


Figure 5. Educational Attainment

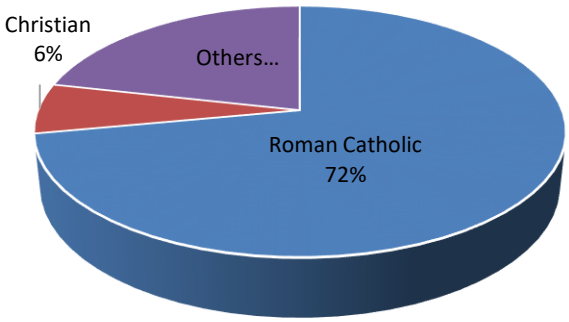


Figure 6. Religion of respondents

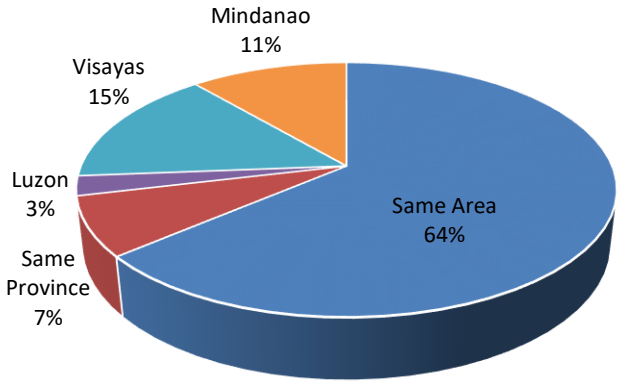


Figure 7. Place of Birth of the respondents

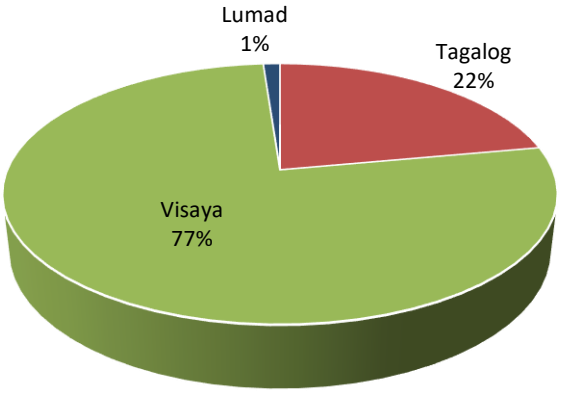


Figure 8. Ethnic Origin of the respondents

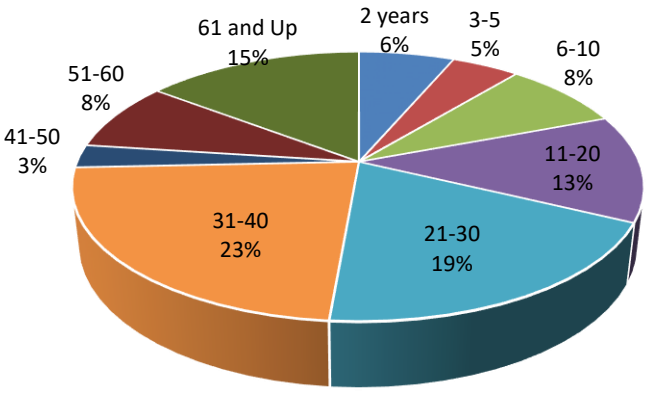


Figure 9. Length of Stay

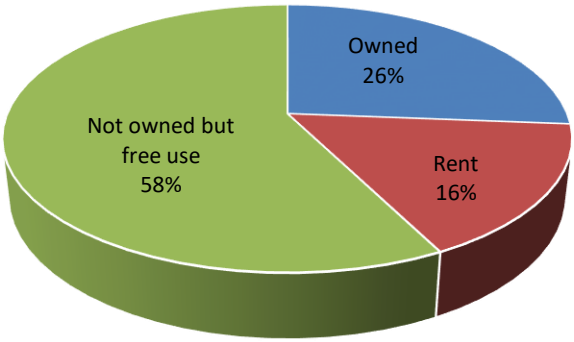


Figure 10. Tenurial Status of Residence

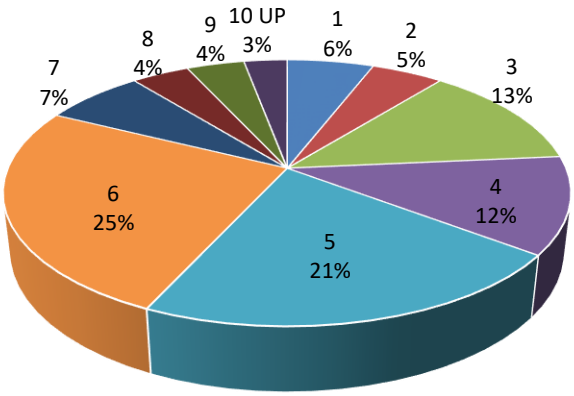


Figure 11. Number of Household

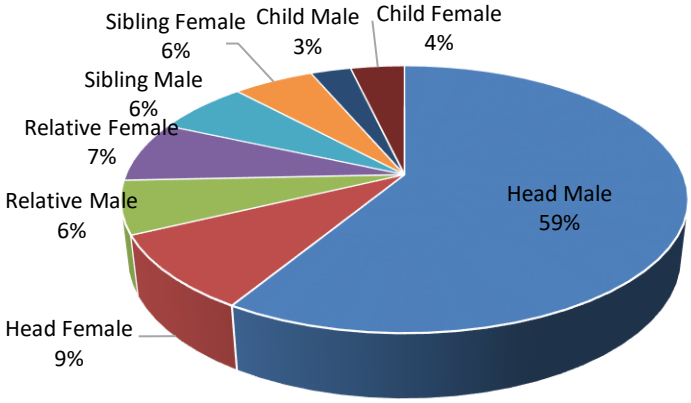


Figure 12. Breadwinner

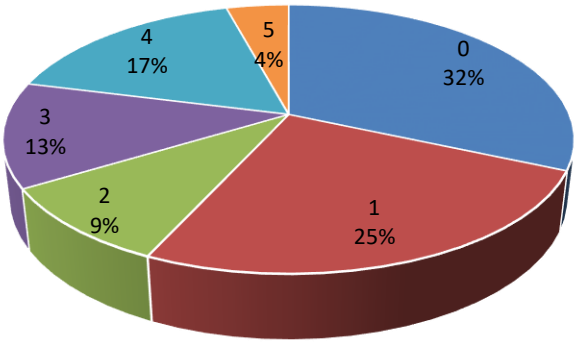


Figure 13. Number of Illness

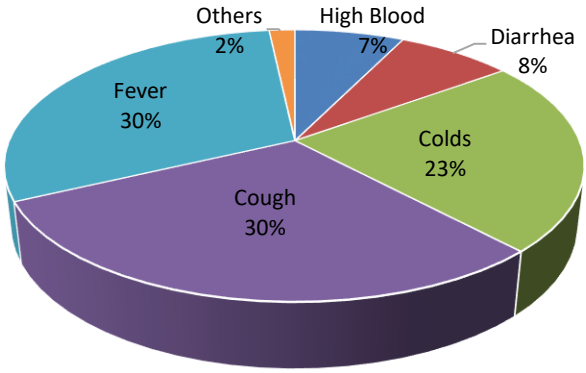


Figure 14. Type of Illness

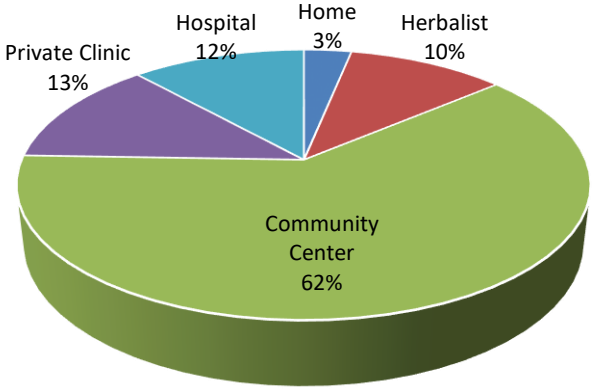


Figure 15. Venue of Treatment

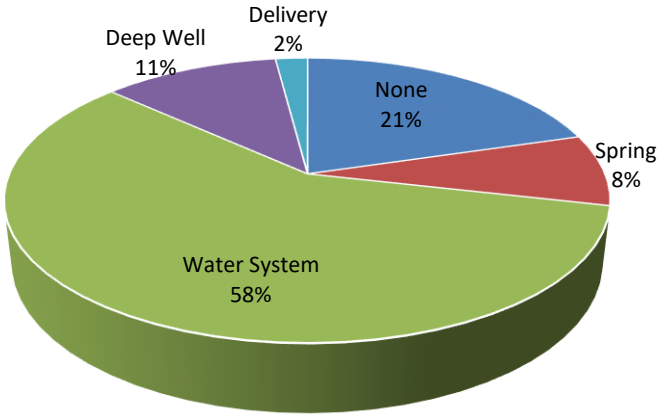


Figure 16. Water Source

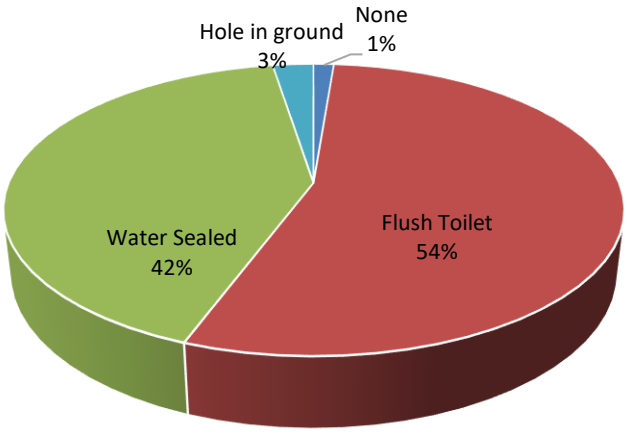


Figure 17. Toilet Facility

VI. Issues and Concerns

A. Issues and Concerns raised during the KIIs

1. Perceived Negative Impacts/Concerns of the Project

a. Erosion and Landslide/Safety Concern
b. Dust
c. No available employment
d. Increase in what should be guarded
e. Loss of water source
f. Loss of Trees
g. General Negative Impact on the Air
h. General Negative Impact on the Freshwater
i. General Negative Impact on the Soil/Land
j. General Negative Impact on the Flora
k. General Negative Impact on the Fauna

2. Perceived Positive Impacts/Concerns of the Project

a. Assistance to the barangay
b. Employment
c. Additional livelihood
d. Support of health programs
e. Support in barangay programs

B. Issues and Concerns raised during the FGDs

1. Perceived Negative Impacts/Concerns of the Project

a. Erosion and Landslide/Safety Concern
b. Dust
c. No available employment for women
d. Loss of water source
e. Loss of Vegetation

2. Perceived Positive Impacts/Concerns of the Project

a. Assistance to the barangay
b. Employment
c. Additional Livelihood
d. Support to Health Programs
e. Support to barangay Programs

VII. Photo Documentation

ATTACHMENT 4

PROPOSED LIST OF INVITEES

LIST OF INVITEES FOR THE PUBLIC SCOPING

Agency/Institution	Name of Representative	Designation	Address
National Agencies			
DENR EMB Central	Engr. Metodio U. Turbella	EMB Director	DENR Compound, Visayas Avenue, Diliman, Quezon City
EMB EIAMD	Engr. Esperanza A. Sajul	Chief	DENR Compound, Visayas Avenue, Diliman, Quezon City
Mines and Geosciences Bureau	Atty. Wilfredo G. Moncano	Acting Director	MGB Compound, North Avenue, Diliman, Quezon City
Regional Agencies			
DENR R7	Gilbert C. Gonzales	Regional Director	National Government Center, Sudlon, Lahug, Cebu City, Cebu
EMB R7	Engr. William P. Cuñado	EMB Regional Director	Greenplains Subdivision, Banilad Mandaue City, Cebu
MGB R7	Engr. Efren B. Carido	OIC - Regional Director	Greenplains Subdivision, Banilad Mandaue City, Cebu
Provincial Agencies			
Cebu Provincial LGU	Atty. Hilario Perez Davide III	Province of Cebu, Governor	N. Escario St., Cebu Capitol, Cebu City
	Hon. Agnes A. Magpale	Province of Cebu, Vice - Governor	N. Escario St., Cebu Capitol, Cebu City
	Mr. Rodel C. Bontuyan	Provincial Planning and Development Officer	3rd Floor East Wing, Executive Bldg., Cebu Capitol
	Mr. Jayson P. Lozano	Provincial Environment and Natural Resources Office	Ground Floor West Wing, Executive Bldg., Cebu Capitol
PENRO-Cebu	For. Jose Cleo Cary Colis	OIC, PENR Officer	Green Plains Subdivision, Banilad, Mandaue City
Municipal Agencies			
San Fernando Municipal Government	Lakambini G. Reluya	Mayor	Municipality of San Fernando San Fernando, Cebu

Agency/Institution	Name of Representative	Designation	Address
	BB Sabalones	Vice Mayor	Municipality of San Fernando San Fernando, Cebu
	-		
	To All Department Heads	Department Heads	Municipality of San Fernando San Fernando, Cebu
CENRO-Argao	Mr. Roldan R. Cotejo	OIC, CENR Officer	Lamacan, Argao, Cebu
Barangay Agencies			
Barangay Tinubdan, San Fernando	Hon. Dioscoro B. Pacquiao,Jr.	Punong Barangay, Kagawad and Barangay Councilors	Barangay Tinubdan, San Fernando
	-	SK Chairman and Councilors	
Barangay Tananas, San Fernando	Hon. Casiano T. Canoy	Punong Barangay, Kagawad and Barangay Councilors	Barangay Tananas, San Fernando
	-	SK Chairman and Councilors	
Barangay Tonggo, San Fernando	Hon. Virgilio P. Siarot	Punong Barangay, Kagawad and Barangay Councilors	Barangay Tonggo, San Fernando
	-	SK Chairman and Councilors	
Barangay South Poblacion, San Fernando	Hon. Dioscoro A. Esbra	Punong Barangay, Kagawad and Barangay Councilors	Barangay South Poblacion, San Fernando
	-	SK Chairman and Councilors	
Barangay Basak, San Fernando	Hon. Genaro B. Saroi	Punong Barangay, Kagawad and Barangay Councilors	Barangay Basak, San Fernando
	-	SK Chairman and Councilors	
Other barangays of San Fernando	-	Punong Barangay, Kagawad and Barangay Councilors	San Fernando, Cebu
Interest Groups			
Fisherfolk group/organization on Impact Barangays/Municipalities	-	Representative	San Fernando, Cebu
Senior Citizen group/organization on Impact Barangays/Municipalities	-	Representative	San Fernando, Cebu

Agency/Institution	Name of Representative	Designation	Address
Women's group/organization on Impact Barangays/Municipalities	-	Representative	San Fernando, Cebu
Elementary School on Impact Barangays/Municipalities	-	Representative	San Fernando, Cebu
Secondary School on Impact Barangays/Municipalities	-	Representative	San Fernando, Cebu
Tertiary School on Impact Barangays/Municipalities	-	Representative	San Fernando, Cebu
Churches on Impact Barangays/Municipalities	-	Representative	San Fernando, Cebu
Hospitals on Impact Barangays/Municipalities	-	Representative	San Fernando, Cebu
Non-Government Organization (NGO)			
Cebu Resources Managers Organization, Inc.	Eutiqio O. Baricuatro	Representative	Cebu

ATTACHMENT 5

DRAFT INVITATION LETTER AND IEC MATERIALS FOR THE PUBLIC SCOPING

Date

NAME OF REPRESENTATIVE
Designation
INSTITUTION / ORGANIZATION
Address

Dear **Sir/Ma'am:**

We are pleased to invite you to the Public Scoping for the ECC amendment application of the Limestone Quarry Expansion Project of Solid Earth Development Corp. (SEDC) located at Barangays Tinubdan, Tananas, Tonggo, and South Poblacion, San Fernando, Cebu. The Public Scoping will be held on **(Date), (Time)** at **(Venue)**.

This Public Scoping is a part of the Environmental Impact Assessment (EIA) process per Presidential Decree (P.D.) 1586, (Environmental Impact Statement System) and its Implementing Rules and Regulations to solicit and address issues and concerns about the project.

A copy of the Project Description Report for Scoping is downloadable at our website: www.emb.gov.ph (kindly access the Notice of Public Scoping link found at the lower right portion of our website) while hard copies are available in _____.

For more details, please contact the EMB Central Office at DENR Compound, Visayas Avenue, Diliman, Quezon City or telephone no. 920-22-32.

We look forward to your participation.

Sincerely yours,

SEDC SAN FERNANDO 545.22 HA LIMESTONE EXPANSION PROJECT (MPSA 067A, MPSA 205)

PROJECT INFORMATION

PROJECT NAME:	SEDC SAN FERNANDO 545.22 HA LIMESTONE QUARY EXPANSION PROJECT
PROJECT TYPE:	QUARRYING – EXTRACTION OF NON-METALLIC MINERALS
PROJECT LOCATION:	SOUTH POBLACION, TANANAS, TINUBDAN, TONGGO, SAN FERNANDO, CEBU
PROJECT SIZE:	545. 22 HECTARES
MANPOWER REQUIREMENTS:	EXISTING +- 150
COMPONENTS:	QUARRY · PRODUCTION AREA · OVERBURDEN/TOPSOIL/STOCKYARD · RAW MATERIALS STOCKYARD (LIMESTONE,CLAY, SILICA, POZZOLAN · POLLUTION CONTROL FACILITIES (DRAINAGE SYSTEM, SILT POND AND OIL WATER SEPARATORS, WATER TRUCKS) PORT · BERTHING AREA AND TRANSPORT SYSTEM FOR RECEIVING CLINKER, COAL AND ADDITIVES · CAUSEWAY · FRONT DOCKING AREA · CEMENT PACKING AND BULK LOADING

PROPONENT PROFILE

PROPONENT:	SOLID EARTH DEVELOPMENT CORPORATION (SEDC)
REPRESENTATIVE:	ATTY. DENNIS B. TENEFRANCIA
DESIGNATION:	PRESIDENT
ADDRESS:	9TH FLOOR INSULAR LIFE BUSINESS CENTER,CEBU BUSINESS PARK, CEBU CITY
CONTACT DETAILS:	TEL NO.: (032) 340-8146 TELEFAX NO.: (032) 340-6313

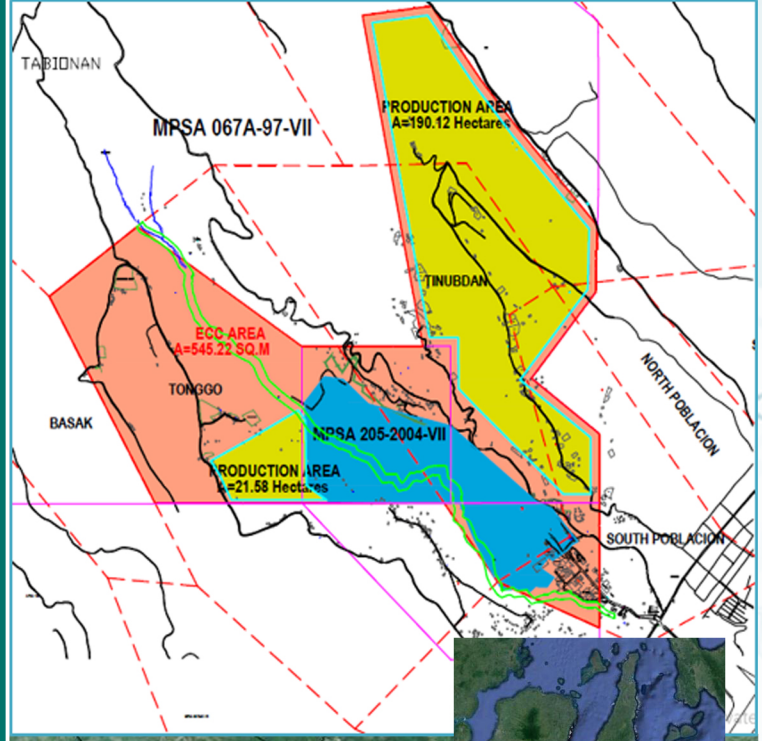
RASON
ARON PAGPADAYON SA PAG-SUPPLY OG LIMESTONE PARA SA PAGHIMO OG SEMENTO.

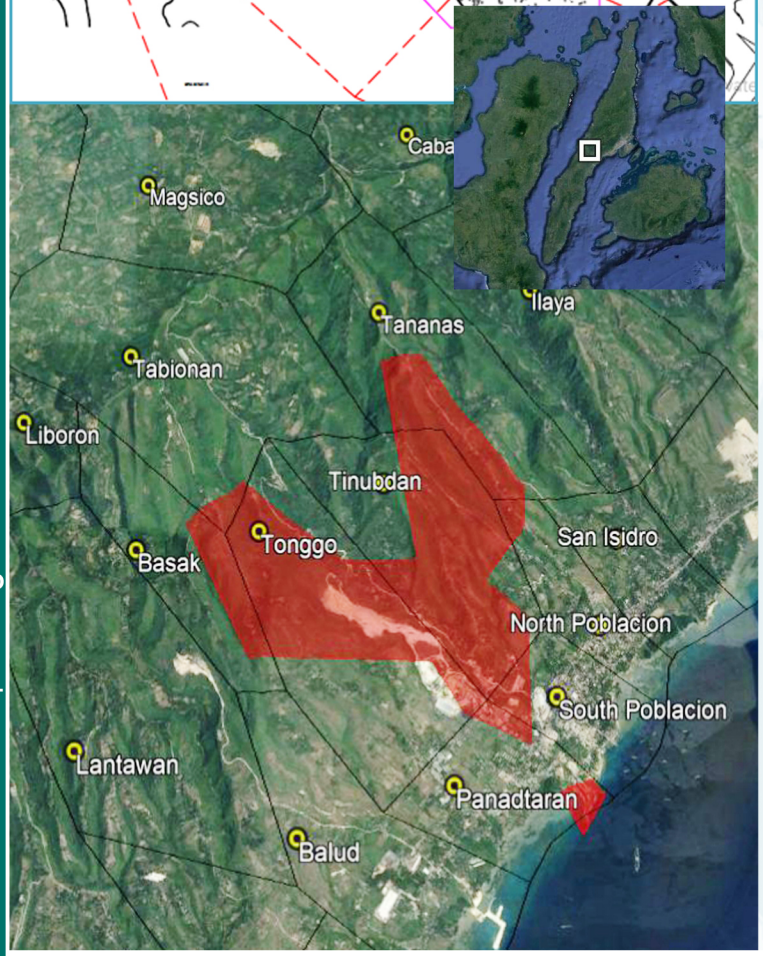
PAGKINAHANGLAN SA PROYEKTO
PAG-SUPORTA SA PADAYON NGA PANGINAHANGLAN OG LIMESTONE, CLAY OG SILICA

TUYO
ANG PAGKUHA OG LIMESTONE SUBAY SA BALAOD SA GOBYERNO KABAHIN SA KALIKOPAN NGA GILATID SA IYANG MPSA NGA ADUNAY LABING DAKO NGA PAGHUNA-HUNA SA PAGSANTA SA BISAN UNSA MAN NGA DILI MAAYO NGA EPEKTO SAMTANG MAGPALAMBO SA MAAYO NGA EPEKTO SA NATURAL OG PISIKAL NGA PALIBOT APIL NA ANG KATILINGBANONG EKONOMIYA

TUMONG
PAGPALAPAD SA KASAMTANGANG PRODUKSYON NGA LUGAR GIKAM SA 331.70 EKTARYAS NGADTO SA TINUIG NGA PRODUKSYON NGA 4,800,000 TONELADAS

MGA BENEPISYO
PROGRAMA PARA SA KATILINGBANONG KALAMBOAN, PANARBAHO, MGA PROYEKTO NGA MAPANGINABUHIAN, OPORTUNIDAD NGA MOKITA, KITA SA LOKAL NGA GOBYERNO O MUNISIPYO PINAAGI SA BUHIS





Safety and Health Policy

We are committed to manage a safe and responsible mining and port operations by providing safe and healthy working conditions to our employees and service providers and adhering to safety and health standards.

Under this policy, incident prevention is the ultimate goal to eliminate/minimize potential pre-determined hazards and risks associated in each stage of our operations through established operational controls and strategies for continual development.

Environmental Policy

SOLID EARTH DEVELOPMENTAL CORPORATION is committed to the continual Environmental Management System improvement through responsible extraction,development and utilization of mineral resources.Implement activities that can address operational aspects, impacts and socio-economic programs to co-exist with stakeholders.

To ensure that the associated impacts concerning our activities are not detrimental to the environment, we shall;

- *Conduct activities in compliance with all applicable environmental regulations.*
- *Establish a systematic environmental management that is geared to the delivery of quality raw materials and people development as well as protection of Mother Earth within the framework of sustainable development.*
- *Enhance environmental protection programs through systematic development and efficient continual energy/ material conservation efforts.*
- *Ensure implementation of pollution control and prevention programs*
- *Educate, train and motivate stakeholders to carry out tasks in an environmentally responsible manner.*
- *Implement environmental protection among vendors and any of the interested parties with consideration to the life cycle impacts of their aspects.*

DENR ADMINISTRATIVE ORDER 2017-15
GUIDELINES ON PUBLIC PARTICIPATION UNDER THE PHILIPPINE ENVIRONMENTAL IMPACT STATEMENT (EIS) SYSTEM

Consistent with the State Policies and Principles of the Philippine Constitution on the right of the people to a balanced and healthful ecology and on encouraging non¬governmental, community-based, or sectoral organizations that promote the welfare of the nation, the provisions of PD 1151 and PD 1586 on the implementation of the Philippine EIS System and the 1992 Declaration of United Nations Conference on Environment and Development (UNCED) emphasizing that environmental issues are best handled with the participation of all concerned citizens as well as with the thrust of the Department of Environment and Natural Resources (DENR) to promote social justice, the following guidelines on Public Participation are hereby promulgated.

Section 1. Basic Policy and Principles

It is hereby declared a policy that amidst the country's economic development initiatives, common good shall be promoted through public participation in the implementation of the Philippine EIS System. It shall employ the following basic principles.

a) Public Participation should be initiated early and sustained at the various stages of the EIAProcess.
b) Public Participation should be well planned and should involve the stakeholders in the assessment, management and monitoring of environmental impacts
c) Timely public disclosure of all necessary relevant information especially to the stakeholders who shall be made to understand and appreciate the specific purpose and context of their participation for each stage of the process.

Section 2. Objectives and Outcome

The objective of this Administrative Order is to improve and rationalize Public Participation under the Philippine EIS System by incorporating best practice principles and standardizing the procedures and requirements.

The intended outcome of this order is to achieve meaningful public participation under the Philippine EIS System at the various stages of the EIA Process through:

a) An adequate, timely and effective information disclosure and feedback mechanism for:
   - The gathering of all relevant baseline data / information, issues and concerns that should be included in the EIA study
   - The review of the contents of the EIS
   - The management and monitoring of environmental impacts of projects/undertakings
b) Consideration of the needs of the vulnerable and disadvantaged and of gender concerns.
c) Discussion of relevant views of the affected people and other stakeholders for incorporation into the decision-making, such as project alternatives/design, mitigation measures, the sharing of development benefits and opportunities and implementation issues.
d) Defined roles and empowered citizens in taking responsibility in environmental protection

Section 3. Scope of Public Participation Requirement

Public participation under the Philippine EIS system shall be required for the entire EIA Process from social preparation prior to scoping to impact management and monitoring during project implementation/abandonment.

Environment - shall refer to the totality of the external conditions affecting life, development and survival of organisms including the surrounding air, water (both ground and surface), land, flora, fauna, humans and their interrelations.

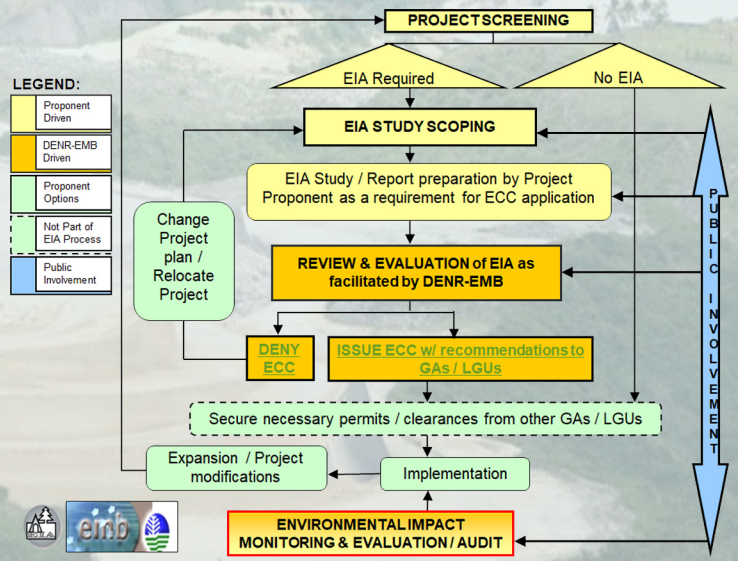
Environmental Aspects - elements of an organization's activities, products or services that can interact with the environment.

Environmental Compliance Certificate (ECC) - is a document that may be issued after thorough review of the EIA Report. It certifies that the proposed project has complied with the requirements of the EIS System and that the proponent has committed to implement its approved Environmental Management Plan (EMP) to address the environmental impacts and to operate within the best environmental practice.

Environmental Impact Assessment (EIA) - a process that involves predicting, monitoring and evaluating the impacts of a project (including cumulative impacts) on the environment during construction, commissioning, operation and abandonment. It also includes designing appropriate preventive, mitigating and enhancement measures to address these consequences to protect the environment and the community's welfare.

Environmental Impact Statement (EIS) - an EIA Report type that is required to be submitted for ECC application for proposed ECPs and other project types that are expected to have a high degree of environmental impact significance.

Project or Undertaking -any activity, regardless of scale or magnitude, which may have significant impact on the environment.



THE EIA PROCESS

SEDC SAN FERNANDO LIMESTONE 545.22 HA EXPANSION PROJECT (MPSA 067A, MPSA 205)

Para sa Kahiluwasan, Panglawas, Kalikupan Ug Pagdumala.

Isip usa ka responsabling kompanya sa mina, ang SEDC mipatuman ug misunod sa kinatas-ang basehan sa kahiluwasan,panglawas, kalikupan ug pagdumala.

Maoy labing unang priyuridad ang kahiluwasan sa mga tao ug sa komunidad kung asa kami nag-operate.

Kahiluwasan ang Una

- Safety First -

SEDC SOLID EARTH DEVELOPMENT CORPORATION

ATTACHMENT 6

DRAFT PRESENTATION OF THE PROJECT DURING PUBLIC SCOPING

PUBLIC SCOPING

LIMESTONE QUARRY EXPANSION PROJECT

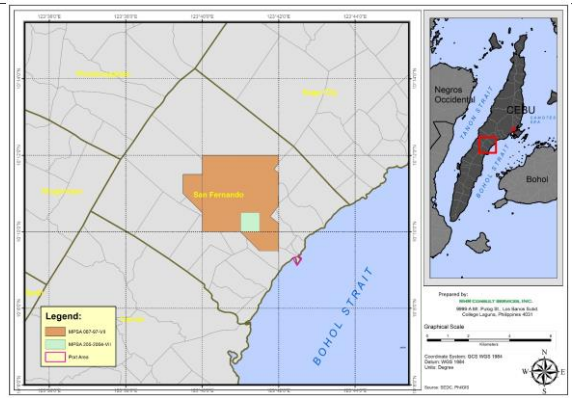
PROPOSED PROJECT COVERAGE

Project Name	**San Fenando, Pinamungahan Limestone Quarry Expansion Project**
Project Type	Quarrying – Extraction of Non-metallic minerals
Project Location	Barangays Tinubdan, Tananas, Basak, Tonggo, and South Poblacion, San Fernando, Cebu within Mineral Production Sharing Agreement (MPSA) No. 067-97-VII and 205-2004-VII
Project Scale/Limit	Total extraction rate: 4,800,000MT Total area: 641.57 hectares MPSA area MPSA 067-A = 557.57 hectares MPSA 205 = 84 hectares 10.0361 hectares FLC area (FLC No. 072-241-12) 14.90 hectares MLA area (MLA Port Facility = 2.3 hectares
Major Project Components	**Quarry** Limestone Production Areas Overburden/topsoil stockyard Raw materials stockyard **Port** Berthing Area and Transportation System for receiving raw materials, cement, clinker, coal and additives Causeway Front Docking Area Packhouse, Cement Silos and Bulk Loading

PROFILE OF THE PROPONENT

Name of the Company	Solid Earth Development Corporation (SEDC)
Contact Person	Atty. Dennis B. Tenefrancia President
Office Address	9th Floor Insular Life Business Center, Cebu Business Park, Cebu City
Contact Details	Tel. No.: (032) 340 814650 2908 Fax. No. (032) 340 6163234 2795

PROJECT LOCATION



PROJECT ALTERNATIVES

- SITING - Operational economics dictates, the quarry site must be located nearest to the crusher site. In this situation of having two quarry areas, it was evaluated before at the early years of operation.

- TECHNOLOGY SELECTION/OPERATION PROCESSES AND DESIGN SELECTION
  - The limestone deposit is soft to moderate in its hardness that is why the mining operation consists of a continuous cycle comprising of excavation/digging, loading and hauling the run-of-mine ore towards the crusher or stockpile area.

PROJECT ALTERNATIVES

- TECHNOLOGY SELECTION/OPERATION PROCESSES AND DESIGN SELECTION

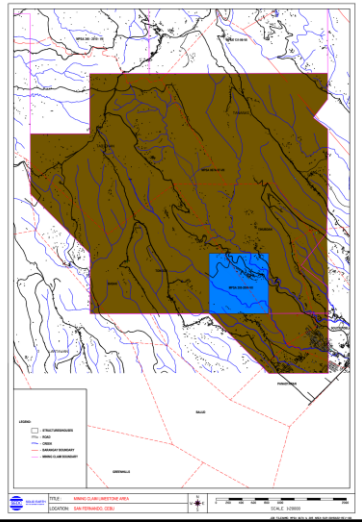
  TWO STAGES OF MINING DEVELOPMENT METHOD

  > DEVELOPMENT STAGE

  involved the construction of sub-access and main access roads leading towards the targeted elevation of the minable area.

  > PRODUCTION STAGE

  Prepared benches are then scheduled for cutting by backhoe hoe and will be loaded directly. Front end loader is also utilized to load the excavated rock materials to the dump trucks which are then delivered to the crusher.



PROJECT COMPONENTS

TOTAL PRODUCTION AREA:
280.29 hectares

MPSA 067-A
Tonggo Area: 21.58 has
Tananas Area: 190.12 has
New Area (addl): 18.59 has

MPSA 205
Tinubdan / Tonggo: 50 has

PROJECT COMPONENTS

- Quarry
- Limestone production areas
- Overburden/topsoil stockyard
- Raw materials stockyard
- Port
- Berthing Area and Transportation System for receiving raw materials,
- cement, clinker, coal and additives
- Causeway
- Front Docking Area
- Packhouse, Cement Silos and Bulk Loading

PROCESS AND TECHNOLOGY