EPRMP SUMMARY FOR THE PUBLIC (English)

Proposed Cement Plant and Quarry Expansion Project

Calatagan, Batangas

Submitted by:

Advantage Concrete Industries Corporation (formerly Asturias Industries Inc.)

Submitted to:

Environmental Management Bureau – Central Office

1.0PROJECT DESCRIPTION

Project Name		Cement Plant	and Qu	uarry Operation Expa	nsic	on Project	
Project Location		Barangay Baha					
		•••		Barangay Talibayog			
				Barangay Hukay			
				Barangay Carlosa			
		Barangay Encarnacion			on		
		Municipality		Calatagan			
Type of Project		Mining and Co	ement	Plant Project			
Existing ECC		ECC-CO-1903	-0010 g	ranted on July 2, 201	9 by	y EMB-Central Office	
Project Size		Existing					
		as per ECC) 1903-001	-		al	Total	
				Cement Plant Oper	atio	n	
		3.0 MMTPY C	linker	8.5 MMTPY Clinker		11.5 MMTPY Clinker	
		Production/		Production/		Production/	
		5.0 MMTPY		14.2 MMTPY Ceme	nt	19.2 MMTPY Cemen	
		Cement Prod	uction	Production		Production	
				Quarry Operation	on		
		4.8 MMTPY		14.4 MMTPY		19.2 MMTPY	
		limestone		limestone		limestone	
		0.88 MMTPY	88 MMTPY shale 2.72 MMTPY			3.6 MMTPY	
				shale/pozzolan		shale/pozzolan	
Project Area		Existing				_	
		(as per ECC 1903-001		Proposed Additional		Total	
			Cement Plant Operation				
		22 hectar	es	98 hectares 120 hec		120 hectares	
				Quarry Areas324 hectares574 h			
		250 hectai	res			574 hectares	
			•	oject Components			
Cement Plant	-	mber of Units/		osed Number of Units/		Total Number of Units/	
Components		/ Specifications/ pacity		iption/ Specifications/ Capacity	De	scription/ Specifications/ Capacity	
Cement Plant Line	2 lines	pacity		es (existing) 4 lines			
	1.5 MMTPY	per line	2.88 MMTPY per line		2.88 MMPTY per line		
			2 lines	2 lines (additional)			
				(additional) IMTPY per line			
Limestone	2 x 1500 tph					2,000 tph	
crushing system				om 1,500 tph to 2,000 tph			
Clay crusher			Increase capacity of each unit 2 from 400 tph to 1,000 tph		2 x	1,000 tph	
Limestone	200,000 MT		1.011 4	55 tpi to 1,000 tpi			
Storage							
Additive Storage	200,000 MT						
Coal Storage Clinker storage	250,000 MT						
	37,000 tons 150,000 tons						
Feed bins for raw	4x 700 MT li						
	4 x 300 MT s	nale					
grinding	4 x 350 MT s	ilica					

alatagan, Batangas				
Raw mill	2 x 400 tph			4 x 500 tph
Homogenizing silo	2 x 15,000 MT	2 x	,000 MT (additional) 20,000 MT (increase ng capacity)	4 x 20,000 MT
Kiln system	2 x 5,000-TPD clinker		,	4 x 9,000-TPD clinker
Clinker silo	2 units with capacity of 25,000 MT each and 800 MT for the off-spec clinker storage	ach and 800 MT		25,000 tons
Coal Mill				3 x 100 tph
Feed bins for cement grinding	2 x 400 tons Clinker 2 x 250 tons limestone 2 x 250 tons pozzolan 2 x 200 tons gypsum 2 x 200 tons fly ash	2 x 25 2 x 25 2 x 20	0 tons Clinker 50 tons limestone 0 tons pozzolan 0 tons gypsum 0 tons fly ash	4 x 400 tons Clinker 4 x 250 tons pozzolan 4 x 250 tons gypsum 4 x 200 tons fly ash
Cement mill	2 x 300 tph		0 tph (additional) 00 tph (increase existing ity)	4x 500-tph
Cement silo	4 x 15,000 MT	None		4 x 15,000-MT
Roto packer	4 x 100 tph	4 x 120 tph (additional) 4 x 120 tph (increase existing capacity)		8 x 120 tph
Bulk loading facility	2 loading bays	None		2 x 15,000-MT
facility with Waste Heat Recovery Air Pollution	Air Pollution Control Facili	tv	Location	Total Capacity
Control Facilities		-		
	Bag Filters		Limestone Crusher	135,000.00 m ³ /hr
			Additive Crusher	55,000.00 m ³ /hr
			Raw Mill	615,000.00 m ³ /hr
		(Coal Mill	195,000.00 m³/hr
		F	Pre-heater	30,400.00 m³/hr
		(Clinker Cooler	605,000.00 m ³ /hr
		(Clinker Silo	82,000.00 m³/hr
		0	Cement grinding	863,450.00 m³/hr
		E	Bulk Silo	30,000.00 m³/hr
		F	Packhouse	217,300.00 m ³ /hr
Water Pollution				
Water Pollution	Siltation Pond	4,356	m ³	
Control	Sewage Treatment Plant	50 m ³	/day	
Control Support facilities	Sewage Treatment Plant Warehouses Medical clinic Fire station Access roads Power substation Plant nursery Explosive magazine Guest House Pier Facility Rainwater harvesting tank 	50 m ³ • A • P n • V • V • V • V • V • V • V • F • S • N • e	/day Administration building Parking and truck narshalling areas Vater treatment facility Vater pumps and pipelines facilities taff and bunk houses Aotor pool and equipment maintenance acility	 Truck Marshalling Area Solid and hazardous waste management facilities Central Control Room (CCR)/Laboratory Building Shops Area (Electrical, Machine, and Fabrication)
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ADVANTAGE CONCRETE INDUSTRIES CORPORATION CEMENT PLANT AND QUARRY EXPANSION PROJECT Calatagan, Batangas

Line 1	March 2024
Line 2	March 2025
Line 3	March 2026
Line 4	March 2027

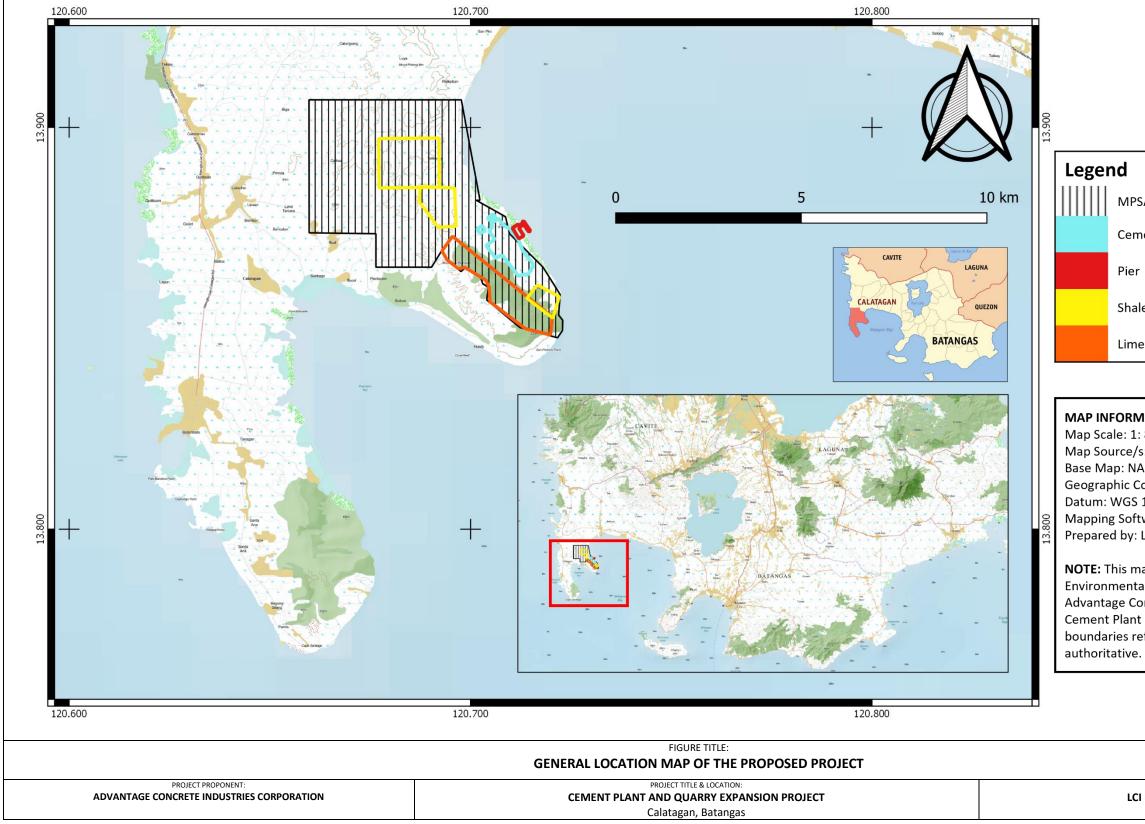
2.0 PROPOSED LOCATION

The cement plant complex, including the proposed expansion area, is located in Barangay Baha, Municipality of Calatagan, Batangas. It is within the 464.08-hectare Industrial Park of ACIC. The area requirement for the cement plant complex will increase from 22 hectares to 120 hectares.

The quarry areas that will be used by ACIC are within MPSA No. 071-97-IV in Calatagan, Batangas. The limestone quarry area is within barangays Baha, Encarnacion and Hukay while the shale/pozzolan quarry areas are within barangays Baha, Talibayog, Carlosa, and Encarnacion. The total quarry area will also be increased from 250 hectares to 574 hectares.

The general location map is shown in **Figure 2-1**.

Figure 2-1: General Location Map of the Proposed Project Site



MPSA No. 071-97-IV

Cement Plant

Pier

Shale Quarry

Limestone Quarry

MAP INFORMATION:

Map Scale: 1: 80,000 Map Source/s: ACIC Base Map: NAMRIA Geographic Coordinate System: EPSG:4326 Datum: WGS 1984 Mapping Software: QGIS 3.16 Prepared by: LCI Envi Corporation

NOTE: This map has been prepared for the Environmental Impact Assessment (EIA) of Advantage Concrete Industries Corporation's Cement Plant and Quarry Expansion Project. The boundaries reflected herewith are not

REPORT PREPARER: LCI ENVI CORPORATION

3.0PROCESS/TECHNOLOGY



Full Cement Manufacturing Process

4.0 RESOURCE UTILIZATION

4.1 WATER SUPPLY AND DEMAND

During the operation of the cement plant, the domestic water requirement is estimated to be 360 m^3 /day. This will be used for cleaning, toilet flushing, landscaping and other domestic uses. This will be sourced from deep wells.

The operation of the four cement plant production lines is estimated to consume about 4,400 cubic meters per day of water. Water for the operation of the cement production lines will be supplied by a bulk water supplier.

For the quarry operation, about 120 m³ per day of water is needed for the constant watering of the quarry road to lessen the dust emissions. This will also be supplied by the bulk water supplier. ACIC may also consider using the effluent from the siltation ponds for the watering of the quarry areas.

Rainwater harvesting facilities will also be constructed within the cement plan as an additional source of water.

4.2 POWER SUPPLY AND DEMAND

The estimated power requirement of the proposed cement plant is about \sim 140 MW or 35 MW per line. The proponent is considering the following as power source during the operation.

- Batangas Electric Cooperative (BATELCO)
- A co-generation facility with waste heat recovery system will be installed and operated by the proponent that will have a capacity of ~150 MW.

4.3 ALTERNATIVE FUEL

The proponent is committed to improve the cement production in its project by seeking energy efficient processes and sustainable alternative energy sources. They are considering the use of alternative fuels. Possible alternative fuels that can be used for the proposed cement plant include industrial wastes such as: used tires, rubber, paper waste, waste oils, waste wood and paper sludge.

4.4 RAW MATERIALS

The amount of raw materials that the cement plant will be utilizing to produce 11.5 MMTPY of clinker and the additives to produce a maximum cement capacity of up to 19.5 MMTPY are presented in the table below.

Minerals	Mineral Requirement (MMTPY)
Limestone	16.67
Silica	0.84
Shale	2.21
Pozzolan	0.43
Gypsum	0.58
Fly Ash	0.72

5.0PROJECTED TIMEFRAME

Cement Plant	Target Commercial Production
Line 1	March 2024
Line 2	March 2025
Line 3	March 2026
Line 4	March 2027

6.0 SUMMARY OF MAJOR IMPACTS AND RESIDUAL EFFECTS AFTER MITIGATION

Project Activities	ENVT'L COMPONENT LIKELY TO BE AFFECTED	POTENTIAL IMPACT		OPTIONS FOR PREVENTION OR MITIGATION OR ENHANCEMENT	TARGET EFFICIENCY/PERFORMANCE OF PROPOSED MEASURE
Pre-Construction					
Acquisition of applicable permits and licenses	The People	Disclosure of project components and activities	•	Submission of complete requirements for processing of all permits	100% compliance to all applicable required permits and clearances.
Local sourcing of labor	The People	Employment opportunities	•	Priority hiring within the host barangays Local labor requirement to be announced and posted in barangay hall and public areas.	100% compliance with local policy on hiring of workers.
Construction					
Construction of cement plant including other support facilities	The Land	Removal of vegetation as part of the site development	•	The removal of vegetation should be limited within the project site. Secure tree cutting permit from FMB	100% compliance to TCP conditions
	The Land, Water, People	Improper management of construction wastes and other solid wastes that may cause soil contamination, water pollution and may pose health risks to the workers and nearby community.	•	Implementation of the solid waste management program by the contractor Regular transport of construction debris and other solid waste by DENR-accredited haulers.	100% compliance to RA 9003
	The Land, Water, People	Improper management of hazardous wastes that may cause soil contamination, water pollution and may pose health risks to the workers and nearby community.	•	Hazardous wastes will be managed in accordance to the requirements of RA 6969 Provision of on-site temporary storage area within the project site	100% compliance to RA 6969

Project Activities	ENVT'L COMPONENT LIKELY TO BE AFFECTED	POTENTIAL IMPACT	OPTIONS FOR PREVENTION OR TARGET MITIGATION OR ENHANCEMENT EFFICIENCY/PERFORMANCE OF PROPOSED MEASURE
			 The proper treatment and disposal of the hazardous wastes should be done by a DENR-accredited waste transporter and/or TSD facility.
	The Water	Clogging of drainage due to surface runoff, siltation or increased sediments	 Establishment of sediment traps, erosion barriers, and silt curtains within the project site Regular removal of silt and sediments TSS concentration of the effluent of siltation ponds is compliant to GES
	The Air, People	Dust emissions due to earth- moving activities which may increase ambient TSP within the project site and may pose health hazards to the workers and nearby community	 Regular watering of construction site Apply canvas cover on construction materials to avoid long exposure to strong winds Proper PPEs to workers TSP in ambient air is within DAO 2000-81
Construction of pier facility	Terrestrial ecology	Removal of mangrove species	 Earth balling of mangrove species Secure earth balling permit from DENR Limit earth balling of mangrove species within proposed project site only
	The Water	Coastal water contamination due to accidental oil spills/leaks	 All maintenance activities shall be conducted in designated area with concrete flooring Proper maintenance of the drainage system within the maintenance area

Project Activities	ENVT'L COMPONENT LIKELY TO BE AFFECTED	POTENTIAL IMPACT	OPTIONS FOR PREVENTION OR MITIGATION OR ENHANCEMENT	TARGET EFFICIENCY/PERFORMANCE OF PROPOSED MEASURE
			 Implement oil spill management procedures Use sawdust, rice hulls or coir dusts to absorb the oil spill 	
	The Water	Increase in turbidity in Balayan Bay due to surface run-off from construction activities	 Establishment of sediment traps, erosion barriers, and silt curtains within the project site Regular removal of silt and sediments 	
	Marine ecology	Threat to existing marine ecology in Balayan Bay due to siltation from construction activities	 Establishment of sediment traps, erosion barriers, and silt curtains within the project site Regular removal of silt and sediments 	
Use of heavy equipment, during construction works	The Land	Generation of ground vibration	 Apply non-vibration techniques during construction, if possible Notify nearby residents about use of heavy equipment For hauling trucks, comply with road weight limit standards to avoid ground vibration 	-
	The Land/The Water	Coastal and groundwater contamination due to accidental oil spills/leaks	 All maintenance activities shall be conducted in designated area with concrete flooring Proper maintenance of the drainage system within the maintenance area 	-

Project Activities	ENVT'L COMPONENT LIKELY TO BE AFFECTED	POTENTIAL IMPACT	OPTIONS FOR PREVENTION OR TARGET MITIGATION OR ENHANCEMENT EFFICIENCY/PERFORMANCE OF PROPOSED MEASURE
			 Implement oil spill management procedures Use sawdust, rice hulls or coir dusts to absorb the oil spill
	The Air	Generation of Air Emissions and Noise	 Regular maintenance of heavy equipment Perform noisy activities during daytime Establish and maintain green zone to serve as natural noise barrier. Ambient noise in the project site is within applicable national standards
	The People	Traffic congestion due to influx of delivery trucks	 Coordination with the host municipal and barangay LGUs Provide early warning devices/road signs Implement Traffic Management Plan
	The People	Road damages due to influx of delivery trucks	 Coordination with the host - municipal and barangay LGUs Follow weight limit of the highway
	The People	Road accidents due to influx of delivery trucks	 Follow speed limits Provide proper training to drivers
Influx of workers	The Land, Water, People	Improper management of solid wastes that may cause soil contamination, water pollution and may pose health risks to the workers and nearby community.	 Implementation of a solid waste management plan consistent with RA 9003 Hauling of solid wastes by accredited haulers 100% compliance to RA 9003

Project Activities	ENVT'L COMPONENT LIKELY TO BE AFFECTED	POTENTIAL IMPACT	OPTIONS FOR PREVENTION OR TARGET MITIGATION OR ENHANCEMENT EFFICIENCY/PERFORMANCE OF PROPOSED MEASURE
	The Water	Surface water and/or groundwater contamination due to discharge of untreated wastewater	 Provision of temporary sanitation facilities for construction workers (e.g., toilets, showers, etc.) Regular maintenance of temporary sanitation facilities
	The People	Threat to occupational health and safety and transmission of communicable diseases from workers and locals	 Provision of proper training on construction safety Provision of PPE Proper supervision by trained professionals during construction activities Conduct regular medical checkup of the workers Coordination with Municipal Health Officer (MHO) and barangay health units to address health-related needs of the community Follow national and local guidelines on mitigating COVID-19 threat Coordination with barangay officials to ensure peace and order among workers and community members
	The People	Employment opportunities	 Priority in hiring should be given to qualified residents of host communities

Project Activities	ENVT'L COMPONENT LIKELY TO BE AFFECTED	POTENTIAL IMPACT	OPTIONS FOR PREVENTION OR MITIGATION OR ENHANCEMENT	TARGET EFFICIENCY/PERFORMANCE OF PROPOSED MEASURE
Quarrying Operation	The PeopleIncreased occupational health and safety risks because of explosives useDamages on nearby infrastructures due to ground	and safety risks because of explosives use Damages on nearby	 Provide proper storage of magazines Provide extensive training for selected personnel in handling and operating explosives Issuance of alarms and warning devices prior to and during blasting operations Control blasting intensity to keep vibration within the safety limit 	No accidents due to explosive use No complaints from nearby community on damages due to blasting activities
	The Land	Modification of existing terrain or drainage pattern in the quarry areas	 Maintain the bench slope to 70% for limestone Implement reforestation of mined-out areas through progressive rehabilitation 	-
	The Land, People	Possible landslide or erosion due to quarry which may pose safety risks to the workers and nearby community	 Maintain the bench slope to 70% for limestone Implementation of soil conservation measures Maintenance and monitoring of slopes Implementation of well-planned final landform design during progressive rehabilitation Implement slope stability measures 	-

ADVANTAGE CONCRETE INDUSTRIES CORPORATION
CEMENT PLANT AND QUARRY EXPANSION PROJECT
Calatagan, Batangas

Project Activities	ENVT'L COMPONENT LIKELY TO BE AFFECTED	POTENTIAL IMPACT	OPTIONS FOR PREVENTION OR MITIGATION OR ENHANCEMENT	TARGET EFFICIENCY/PERFORMANCE OF PROPOSED MEASURE
	The Land, Water	Removal of topsoil in the quarry areas. Improper management of topsoil/overburden may cause siltation of the nearby rivers due to surface run-off	 Implement topsoil management plan that is compliant to DAO 2018- 19 Provision of topsoil storage facility Immediate backfilling of topsoil during progressive rehabilitation 	-
	The Land	Loss of vegetation which cause loss of habitat for the existing fauna species in the quarry areas	 Implement management plans and protection/conservation strategies in the quarry areas Avoidance of unnecessary tree cutting. Perform earth-balling for trees when necessary Operate and maintain plant nurseries. Retain and manage viable habitat units within and surrounding the project's development block areas Implementation of Mining Forest Program and National Greening Program activities Conduct trainings, seminars and field demonstrations on company personnel on how to identify, care, propagate these threatened native tree species Implementation of approved Environmental Protection and Enhancement Program 	

Project Activities	ENVT'L COMPONENT LIKELY TO BE AFFECTED	POTENTIAL IMPACT	OPTIONS FOR PREVENTION OR MITIGATION OR ENHANCEMENT	TARGET EFFICIENCY/PERFORMANCE OF PROPOSED MEASURE
			 Conduct reforestation of mined-out areas through progressive rehabilitation Develop and maintain buffer zones around the quarry areas. 	
	The Ai	Dust generation during quarrying and transport of limestone	 Watering of quarry site and road. Provision of covers of the trucks. Develop and maintain buffer zones around the quarry areas to act as natural barriers 	TSP of ambient air is within DAO 2000-18
	The Air	Noise generation during blasting	 Quarry operations limited during daytime Develop and maintain buffer zones around the quarry areas to act as natural barriers 	Ambient noise is within the applicable national standard
	The Water	Possible siltation of nearby coastal water and clogging of drainage due to surface runoff from quarry areas	 Operate and maintain sedimentation ponds to capture surface run-off and allow settling of particulates prior to discharge Design and maintenance of road gradient Construct and maintain drainage canals along haul roads, along bench toe and canals leading to the sedimentation ponds Develop and maintain buffer zones around the guarry areas 	Results of ambient water monitoring is within DAC 2016-08 and 2021-19 Effluent from the sedimentation ponds is within DAO 2016-08 and 2021-19

Project Activities	ENVT'L COMPONENT LIKELY TO BE AFFECTED	POTENTIAL IMPACT	OPTIONS FOR PREVENTION OR MITIGATION OR ENHANCEMENT	TARGET EFFICIENCY/PERFORMANCE OF PROPOSED MEASURE
			 Implementation of Mining Forest Program Implementation of National Greening Program activities 	
Operation of cement plant facility	The Air	Dust generation during cement processing and packing	 Regular ambient air monitoring Operate and maintain bag filters Daily road watering to avoid fugitive emissions from area sources Assign sweepers to regularly remove dust in areas such as roads, parking areas, and other paved areas. Implement speed limit in the vicinity of the plant site to avoid re- suspension of dust. Raw material and product storage areas are enclosed Raw material conveyor from pier to plant site is enclosed. Use of pneumatic conveyors for fly- ash transfer Trucks shall be required to have covers Enhance and maintain green zones to serve as natural wind and noise barrier. 	Results of ambient air quality monitoring is within DAO 2000-18

Project Activities	ENVT'L POTENTIAL IMPACT COMPONENT LIKELY TO BE AFFECTED		OPTIONS FOR PREVENTION OR MITIGATION OR ENHANCEMENT	TARGET EFFICIENCY/PERFORMANCE OF PROPOSED MEASURE	
	The Air	Increased levels of CO, PM, SO ₂ , NO _x and heavy metals brought about by vehicle and equipment emissions GHG emissions from plant and quarry activities may affect the micro-climate in the area.	 Conduct proper maintenance for the vehicles and equipment Stacks with enough height will be provided for the proper dispersion of emissions Continuous Opacity Monitoring Systems (COMS) will be installed in the cement lines. Conduct regular source emission monitoring and monitoring of ambient air quality Implement carbon sink programs 	Results of ambient air quality monitoring is within DAO 2000-18 Results of emission monitoring is within DAO 2000-18	
	The Water	Possible siltation of nearby coastal water and clogging of drainage due to surface runoff from cement plant	 Operate and maintain sedimentation ponds to capture surface run-off and allow settling of particulates prior to discharge. Conduct regular desiltation of sedimentation ponds Proper maintenance of rainwater drainage system in the cement plant. 	Results of ambient water monitoring is within DAO 2016-08 and 2021-19 Effluent from the sedimentation ponds is within DAO 2016-08 and 2021-19	
	The Land, Water, People	Improper management of hazardous wastes that may cause soil contamination, water pollution and may pose health risks to the workers and nearby community.	 Hazardous wastes shall be managed in accordance to the requirements of RA 6969 Proper maintenance of the on-site temporary storage area within the project site 	100% compliance to RA 6969	

Project Activities	ENVT'L COMPONENT LIKELY TO BE AFFECTED	POTENTIAL IMPACT	OPTIONS FOR PREVENTION OR TARGET MITIGATION OR ENHANCEMENT EFFICIENCY/PERFORMANCE OF PROPOSED MEASURE
			 The proper treatment and disposal of the hazardous wastes should be done by a DENR-accredited waste transporter and/or TSD facility.
	The Land, Water	Soil, coastal and ground water contamination due to oil spills and leaks from equipment	 All maintenance activities shall be conducted in designated area with concrete flooring Proper maintenance of the drainage system within the maintenance area Proper maintenance of OWS Implement oil spill response program Use sawdust, rice hulls, or coir dusts to absorb the oil spills
	The Water	Coastal and ground water contamination due to discharge of untreated wastewater	 Provision of sanitation facilities for workers (e.g. toilets, showers, etc.) Operate sewage treatment plant Treated effluent of the STP is within DAO 2016-08 and 2021-19
	The People	Occupational Health and Safety	 Proper training on safety Provision of PPE
Effect of operations on local economy	The People	Increased tax revenue	 Proper registration, tax - contribution, land registration and other laws/ordinances shall be followed
		Increased employment opportunities	 Priority in hiring of personnel shall be given to residents in the impact areas (host LGUs)

Project Activities	ENVT'L COMPONENT LIKELY TO BE AFFECTED	POTENTIAL IMPACT		OPTIONS FOR PREVENTION OR MITIGATION OR ENHANCEMENT		TARGET CIENCY/PERF PROPOSED N	ORMANCE
Influx of delivery trucks in the area	The People	Traffic congestion due to influx of delivery trucks	•	Provision of enough parking spaces for delivery trucks within the project site Ensure that delivery trucks are parked in the parking space provided Follow traffic management implemented by LGU.	No deliv	complaints very trucks	regarding
	The People	Road damages due to influx of delivery trucks	•	Coordination with the host municipal and barangay LGUs Follow weight limit of the highway	No deliv	complaints very trucks	regarding
	The People	Road accidents due to influx of delivery trucks	•	Follow speed limits Provide proper training to drivers	No deliv	complaints very trucks	regarding
Operation of the pier facility	The Water	Coastal water contamination from accidental oil spills/leaks during barging operation	•	 Provision of oil skimmers and oil booms Implementation of oil spill response plan. The oils spill response plan must define the following: Risk areas and activities Response organization structure Procedures for early detection and timely notification of oil spill Spill prevention and mitigation measures 	-		

Project Activities	ENVT'L COMPONENT LIKELY TO BE AFFECTED	POTENTIAL IMPACT	OPTIONS FOR PREVENTION OR MITIGATION OR ENHANCEMENT	TARGET EFFICIENCY/PERFORMANCE OF PROPOSED MEASURE
			 Spill response and management procedures Risk assessment of areas near the affected site Spill containment and recovery procedures Final clean-up and waste disposal procedures 	
	The People	Maritime traffic due to delivery of fuel via barging	 Develop and implement offshore traffic management plan Coordinate with PCG 	-
	The People	Potential collision of vessel and fishing structures during delivery	 Develop and implement offshore traffic management plan Provide safety measures and warning signs Route should be designed to avoid fishing structures 	-

7.0IDENTIFIED STAKEHOLDERS

The following project stakeholders have been identified based on the stakeholder groups indicated in Section 5 of DENR Administrative Order No. 2017-15:

a. LGUs in areas where all project facilities are proposed to be constructed/situated and where all operations are proposed to be undertaken

- Municipal LGU of Calatagan, Batangas (host municipality)
- Municipal LGU of Balayan, Batangas (adjacent municipality)
- o Barangay LGU of Baha, Calatagan (host barangay)
- Barangay LGU of Talibayog, Calatagan (host barangay)
- o Barangay LGU of Palikpikan, Balayan (adjacent barangay)
- Barangay LGU of Luya, Calatagan (adjacent barangay)
- Barangay LGU of Hukay, Calatagan (adjacent barangay)
- Barangay LGU of Sambungan, Calatagan (adjacent barangay)
- Barangay LGU of Carlosa, Calatagan (adjacent barangay)
- Barangay LGU of Encarnacion, Calatagan (adjacent barangay)

b. Government agencies with related mandate on the type of project and its impacts

- O DENR CALABARZON
- O DENR MGB CALABARZON
- \circ DENR BMB
- o Provincial Environmental Management Unit (PEMU) Batangas
- o Batangas Provincial Environment and Natural Resources Office (PENRO)

c. Interest groups, preferably those with mission/s specifically related to the type and impacts of the proposed undertaking

- Fisherfolks:
 - Brgy. Baha
 - Brgy. Talibayog
 - Brgy. Palikpikan
 - Brgy. Luya
 - Brgy. hukay
 - Brgy. Sambungan
 - Brgy. Carlosa
 - Brgy. Encarnacion
- Women's Organizations:
 - Brgy. Baha
 - Brgy. Talibayog
 - Brgy. Palikpikan
 - Brgy. Luya
 - Brgy. hukay
 - Brgy. Sambungan
 - Brgy. Encarnacion
- Senior Citizens:
 - Brgy. Talibayog
 - Brgy. Palikpikan

- Brgy. Luya
- Brgy. hukay
- Brgy. Sambungan
- Brgy. Encarnacion

d. Local Institutions

- o Brgy. Baha Church Representatives
- Brgy. Talibayog Church Representatives
- \circ Brgy. Palikpikan Church Representatives
- Luya Elementary School
- o Brgy. Hukay Church Representatives
- Hukay Elementary School
- o Brgy. Sambungan Church Representatives

No "households, business activities, industries that will be displaced" (d) and "people whose socioeconomic welfare and cultural heritage are projected to be affected by the project especially vulnerable sectors and indigenous populations" (e) have been identified for the project.

Other stakeholders for the proposed project include the local peace-and-order groups (i.e., PNP, Brgy. Police) and concerned non-government organizations (NGOs).

8.0PROJECT PROPONENT'S STATEMENT OF COMMITMENT AND CAPABILITY TO IMPLEMENT NECESSARY MEASURES TO PREVENT ADVERSE NEGATIVE IMPACTS

The institutional organization of **ACIC** for the proposed Cement Plant and Quarry Expansion Project is shown in **Figure** 8-1. The organization is formed to achieve the following:

- Economical and safety operations and maintenance of the proposed cement plant components;
- Implementation of the company policies;
- Environmental compliance and sustainability; and
- Promotion and enhancement of the social acceptability of the proposed project.

The institutional organization will involve **ACIC's** top-level management, who is responsible for providing the corporate direction and policies of the company. The policies shall then be disseminated to the department heads and managers for implementation of the company personnel, including those who will be working on the operations of the proposed project.

ACIC will also establish a partnership with relevant government agencies, various stakeholders, and local host communities in relation to the project. This partnership is necessary to maintain a transparent and positive relationship for the proposed project and its stakeholders, as well as to ensure that the environmental protection and enhancement measures are complied with.

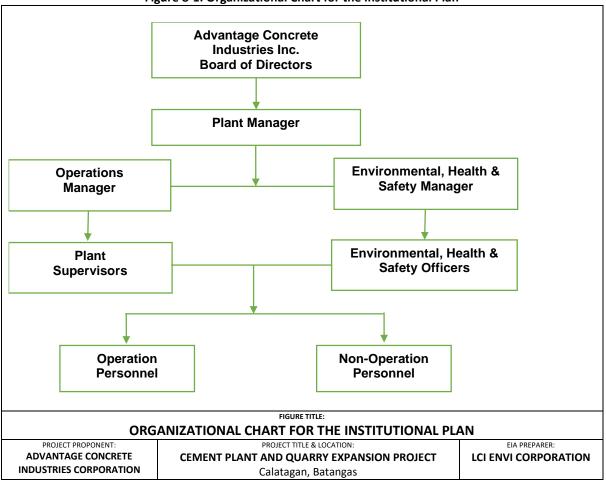
The key stakeholders of the proposed project will be identified as the following:

- Municipality of Calatagan, Batangas;
- Brgy. Baha, Brgy. Talibayog, Brgy. Encarnacion, Brgy. Hukay;
- Residents and community organizations that will be affected by the proposed project;
- Various industry organizations;
- Local peace-and-order councils (i.e., PNP, Barangay Police); and
- Other concerned non-government organizations.

ACIC commits to:

- Comply with the conditions that will be stipulated in the ECC and other related environmental laws;
- Foster mutually beneficial partnership and cooperation with the host community;
- Promote sustainable use and responsible development of resources by adopting appropriate technologies;
- Develop livelihood programs and upgrade skills of host community to contribute and enhance the quality of life; and
- Develop training programs for its employees to ensure that they will be continually prepared for the tasks assigned to them.

To manage environmental concerns of the quarry operation, a separate team will be formed. This will be led by the plant manager. Members of the team will be composed of the Mine Environmental Protection and Enhancement Office (MEPEO), Pollution Control Officer, Safety and Health Officer and the Community Relations Officer.



For more information on ACIC's Proposed Cement Plant and Quarry Expansion project, you may contact the following:

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Proponent Authorized Representative	Mr. Freddie P. Yumang Authorized Representative
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Figure 8-1: Organizational Chart for the Institutional Plan