

PROJECT DESCRIPTION FOR SCOPING (PDS)

1.0 Basic Project Information

1.1 Project Information

Name of Project	Garinan Ecozone
Project Location	Garinan, Madaum, Tagum City
PEZA BOR Number	BOR 20 – 162
Permittee Holder	Garinan Economic Zone Inc
Nature of Project	PEZA
Size	48 hectares
Type of Development	Site development without vertical structures

1.2 Proponent Profile

Proponent Name	Garinan, Economic Zone, Inc.
Address	Bibu Square, Liwayway Village, Magugpo South, National Highway, Tagum City, Davao del Norte, Philippines
Contact Person	Iñigo G. Taojo

2.0 Project Description

2.1 Project Location and Area

The Garinan Ecozone project is located in barangay Madaum with a direct access from the Coastal Road, Davao Gulf in the south, surrounded by Hijo River in the east, Madaum airstrip in the north. It has a relatively flat terrain. It lies between the coordinates 125^o 48' longitude to 125^o50' longitude and 7^o20' latitude to 7^o24' latitude. The 48-hectare development is approximately 2-hour drive away from Francisco Bangoy International Airport while land travel to the site is via three (3) major road system, namely; Philippine-Japan Friendship Highway, The Davao-Mati road and the Tagum-Kapalong road. Adjacent to the project site is the Hijo Central with the following components: Hijo Industrial Estates, Hijo Port, Plantation Villas, Los Rayos, Banana Beach, Weddings Recreation and Event Center, Plantation House, Trinity Project and the banana plantations.

The location and topographic map in NAMRIA is presented in Figure 1 while the vicinity map is shown in Figure 2. The primary impact areas are the Hijo River, Davao Gulf, sitio Garinan and barangay Madaum. The secondary impact areas are the adjacent cities and municipalities like Tagum and Panabo Cities and municipality of Carmen while the tertiary impacts areas are other cities and municipalities within the region, and Cagayan de Oro City.

2.2 Project Rationale

Mindanao is home to about 24 percent of the country's population. However, it also accounts for over 40 percent of the poor. Once boasting personal incomes almost equal to those in Luzon and three times levels in the Visayas, Mindanao's economy sputtered starting in the late 1970s as its growth drivers failed to generate high-quality jobs. In recent times, Mindanao has been experiencing robust annual growth rate of about 2.6% since 2000. A large proportion of this growth will consist of economically active population Mindanao's economy accounts for 14% of the country's gross domestic product. The region grew 4.9% in 2016 against Luzon's 5.5% and Visayas' 9.1%. The backbone of this growth is a strong infrastructure plan for the region. Some 2,130 government-led infrastructure projects worth P547.9 billion have been lined up for Mindanao until 2022. According to NEDA, about 68% of that budget will be allotted for the transportation sector, while 16% will go to water resources, and 6% to social infrastructure.

Of this amount, 18 infrastructure projects have been identified as "flagship projects," five of them have already been approved by President Rodrigo R. Duterte. These include the Tagum-Davao Segment of the Mindanao Railway, Davao airport, Laguindingan airport, Panguil bay bridge project, and the Malitubog-Maridagao irrigation project. The strong push for Mindanao's economic development will undoubtedly have a significant impact on Davao Region, of which Tagum is part. Being the top-performing economy in Mindanao, Davao Region has the 5th-biggest economy in the country and the second-fastest-growing economy next to Cordillera Autonomous Region. While the region's economy is predominantly agri-based, it is now developing into a center for agro-industrial business, trade and tourism. Its competitive advantage is in agri-industry as its products, papayas, mangoes, bananas, pineapples, fresh asparagus, flowers, and fish products are exported internationally. The region can be a vital link to markets in other parts of Mindanao, Brunei- Darussalam and parts of Malaysia and Indonesia.

Tagum City is one of the fast-developing cities in Mindanao. In the 2017 Cities and Municipalities Competitiveness Index (CMCI), the City of Tagum ranked third on the Overall Competitive Component Cities in the Philippines, second on Infrastructure, fourth in Resiliency, seventeenth on Economic Dynamism and twenty-fourth on Government Efficiency. The proposed developmental projects like Hijo International Port (HIP), and the ₱35.26 billion Tagum-Davao-Digos (TDD) Segment of the Mindanao Railway, is expected to boost mobility and economic activity in the city. These combinations of Land, Sea and Air Transport expansion in Tagum points to a strong government push to attract investments in the city, expand economic activity, boost production and generate jobs. The private sector's role will be to provide the venue for these new investments. A business -friendly environment that will facilitate ease of production, with the aid of government incentives can be offered by the proposed Garinan Economic Zone. The intent behind the proposed project is to develop an industrial estate destination that will consist of mostly industrial lots that will be occupied by international and local locators, commercial support for the

development and transportation hub that will boost the influx of people being whoever makes up the community — current and potential customers, partners, investors, employees, and colleagues establishing a competitive industrial estate that maximizes the natural attributes of the site and opportunities given its location in the southern tip of Tagum City.

In line with this project, the proponent is committed to comply with all relevant environmental laws and regulations and put into practice these compliance requirements. Among those being targeted for full compliance are the environmental requirements set by the Department of Environment and Natural Resources - Environmental Management Bureau (DENR-EMB) and the Philippine Economic Zone Authority (PEZA) in securing an Environmental Compliance Certificate (ECC) for the proposed slight industrial project through this EIS documentation and ECC application.

2.3 Project components

The site is to be developed into an economic zone with focus on light industries as future locators. The subject of this project description is the site development to prepare the site to the industry partner. The project components are as follows:

- a. Transportation Hub
- b. Industrial Estate Zone
- c. Office and commercial support
- d. Sewerage Treatment Facility

2.4 Project Phases, Key Environmental Aspects, Wastes, Issues

The project phases are summarized below:

Key Environmental Aspect	Description	Wastes	Issues	Measures	Remarks
Phase 1: Legal Requirements					
Preliminary prep	This covers the acquisition of permits, endorsement and environmental compliance certificate. This also include finalization of plans	No wastes significant wastes generated or emitted in this activity	None	None	EIA is done during this phase of the project. All activities related to EIA is coordinated with the LGU and EMB-DENR
Phase 2 : Site Development (subject of ECC Application)					

Key Environmental Aspect	Description	Wastes	Issues	Measures	Remarks
Clearing and grubbing	This is the first activity of site development phase. This entails removal of vegetation, levelling of land, and backfilling (if needed)	Vegetal wastes are generated This activity will also loosen the soil	Solid waste Siltation of Hijo River and Davao Gulf	Dispose SW thru City system Construct temporary settling pond	Responsibility of contractor
Parcel division	This entails geodetic survey to subdivide the land into parcels	none	none	none	Part of the land use
Road construction	Paved access 4-lane road connecting the site to the highways will be constructed. The width and length will be in accordance with the standard.	Dust emission Loose soil Oil and grease from equipment	Air pollution Siltation Land and water pollution	Suppress dust by water spray Construct temp settling ponds No maintenance of equipment at site.	Responsibility of contractor, proponent to monitor
Drainage construction	Depending on the terrain and plan, open and closed drainage canals will be constructed	Dust emission Loose soil	Air pollution siltation	Suppress dust by water spray Construct temp settling ponds	Responsibility of contractor, proponent to monitor
Construction of Wastewater treatment facility					This will come later when locators are already identified.
Phase 3 : Operation					
Selling of lots	This involves identification of locators and selling of parcel lots.				Proponent. Each locator will be required to secure Environmental Compliance Certificate

3.0 Annexes



Photo 1. Access road of Sitio Gariana



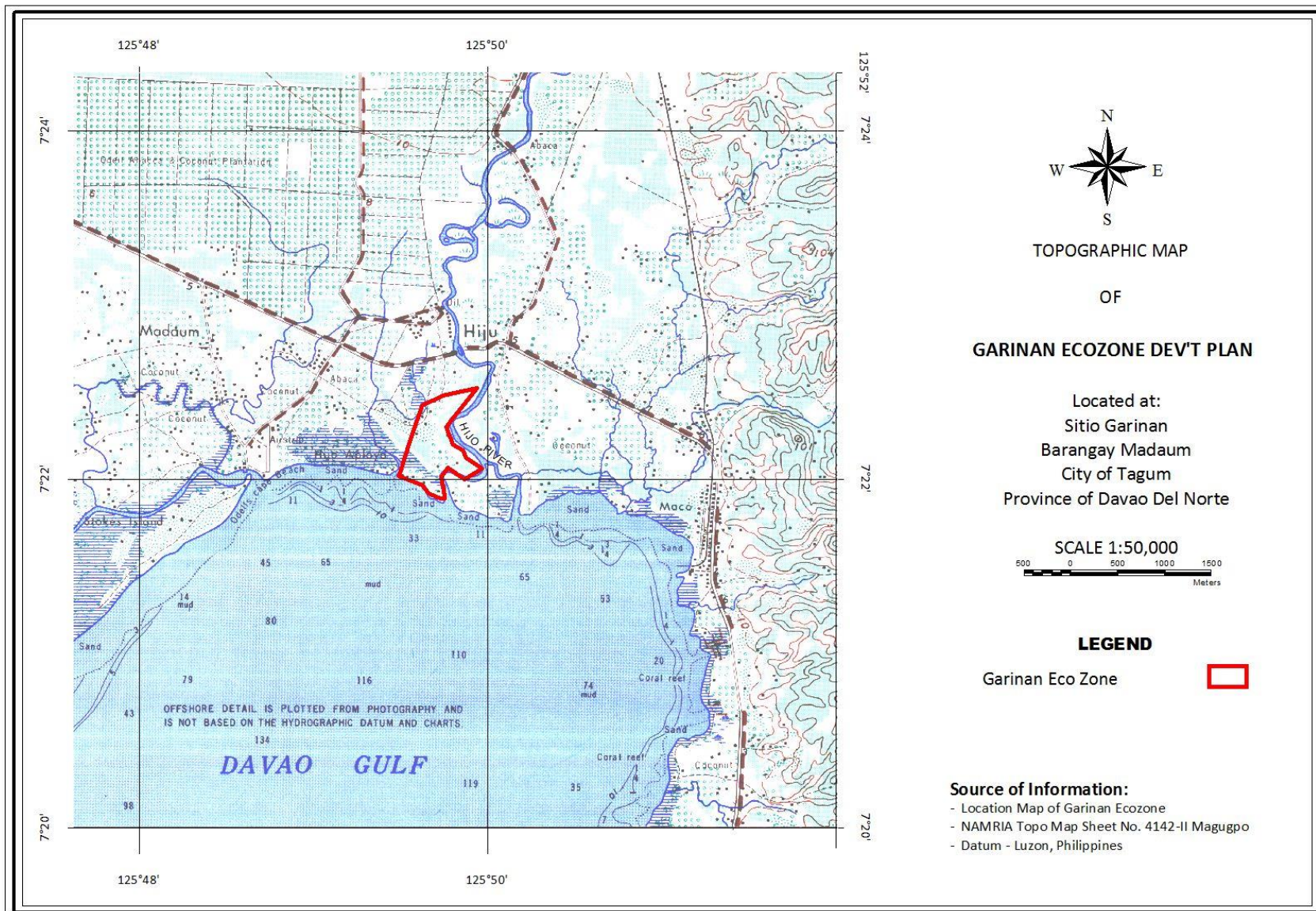
Photo 2. Davao Gulf along Sitio Garinan



Photo 3. Vegetation inside the project site

Photo 4. Community along Davao Gulf which will be affected by the project





TOPOGRAPHIC MAP
OF

GARINAN ECOZONE DEV'T PLAN

Located at:
Sitio Garinan
Barangay Madaum
City of Tagum
Province of Davao Del Norte

SCALE 1:50,000
500 0 500 1000 1500
Meters

LEGEND

Garinan Eco Zone 

Source of Information:
- Location Map of Garinan Ecozone
- NAMRIA Topo Map Sheet No. 4142-II Magugpo
- Datum - Luzon, Philippines