CENTRAL JAVA'S INVESTMENT OPPORTUNITIES

LOGAWA 3 MINIHYDRO POWER PLANT – BANYUMAS REGENCY

Project Background

The **Logawa 3 Minihydro Power Plant** is a development project initiated by the **Government of Banyumas Regency** through a **Regional-Owned Enterprise**, aimed at reducing dependence on fossil fuels in the region. This project is introduced following the success of **Logawa 1**, which has demonstrated strong financial performance, generating annual profits between **USD 600,000 and 900,000**. Located in close proximity to each other, the **Logawa 3** power plant is expected to generate electricity within a capacity of **3,000 kW**, contributing to the region's renewable energy transition.

Project Location

Logawa River, Karangtengah, Baturaden, Banyumas, Central Java

Investment Estimated Cost

USD 3,1 million

	Logawa 3
Investment Cost	USD 3,1 Mill
IRR	22,82%
NPV	USD 3,3 Mill
PP	4 years
Energy	3.017 kW

Investment Scheme

Utilization cooperation

Scope of Work

Civil works, Mechanical and electrical works

Land Status

- Area
  - ✓ Logawa 3 : 18.000 m²
- Land owned by :
  Banyumas Regency Regional Owned Enterprise

Contact Person

Bayu Setiono
PT. Banyumas Investama Jaya
Mobile: +62 811-2615-809
Jalan DI Panjaitan 8 Purwokerto, Banyumas Regency

Project Background

The Central Java Provincial Government and PT Geo Dipa Energi (Persero) ("PT GDE"), as a State-Owned Enterprise ("SOE") with specific business in geothermal development, offers the potential for geothermal power plant development at Candi Umbul Telomoyo. **Candi Umbul Telomoyo ("CUT") was appointed as Geothermal Working Area ("WKP") in 2012 through the Decree of Minister of Energy and Mineral Resource ("ESDM") No. 1826K/30/MEM/2012.** WKP CUT is indicated having potential resources to contribute the fulfillment of national energy with geothermal potential at 54 MW and the development capacity is at 45 MW. WKP CUT has been effectively assigned to PT GDE started by the issuance of the Minister of Energy and Mineral Resource Decree No.1749K/30/MEM2017 to PT GDE. WKP CUT development has been registered as a geothermal prospect area in Central Java in Rencana Usaha Penyediaan Tenaga Listrik (RUPTL) 2021-2030. The first PT GDE's target is to carry out the WKP CUT exploration drilling project in 2028 - 2029. It is estimated that the temperature of the geothermal reservoir in the Candi Umbul Telomoyo field is at most 250°C, although deemed questionable in conclusion. The temperature will likely reach 165-235°C and is estimated to be medium to high enthalpy

Location

Telomoyo mountain (Semarang & Magelang)

COD Target

2036

Current Progress

Exploration Preparation

Offtaker

PLN (National Electricity Company)

Investment Estimated Cost

USD 245 Million

Equity IRR: 10 – 15%

Project IRR 4.7%* **subject to FS*

Investment Scheme

Negotiable (Joint Venture, Joint Operation, etc)

Comprehensive Economic Partnership Support Opportunity :

- Exploration and Exploitation stage investment;
- Mutually beneficial collaboration in the exploration, exploitation & utilization stage through the applicable partnership scheme;
- Procurement of geothermal drilling rigs and services;
- Procurement of EPC in the Steam Above Ground System (SAGS) and Power Plant;
- Other opportunities are available based on the results of future discussions

Contact Person

PT Geo Dipa Energi (Persero)

Aldevco Octagon 2nd Floor

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MINERAL EXTRACTION – GEO DIPA ENERGI

Project Background
The Central Java Provincial Government and PT Geo Dipa Energi (Persero) ("PT GDE"), as a State-Owned Enterprise ("SOE") with specific business in geothermal development, offers the potential for mineral extraction and geothermal power plant development at Dieng site, Wonosobo Regency. The Dieng Plateau, renowned for its geothermal potential and unique mineral deposits, provides an ideal setting for this project. The mineral exploration project's component seeks to responsibly extract valuable minerals, further supporting economic growth and technological advancements

Location
Dieng, Banjarnegara Regency.

PROJECTS

Dieng Silica Extraction

Capex: ± 12 m USD
Offtaker:
Domestic & International Industries (Chemical, Automotive, Rubber, Metal)

Colloidal Silica Potential: 3000 tpa
COD Target: 2027

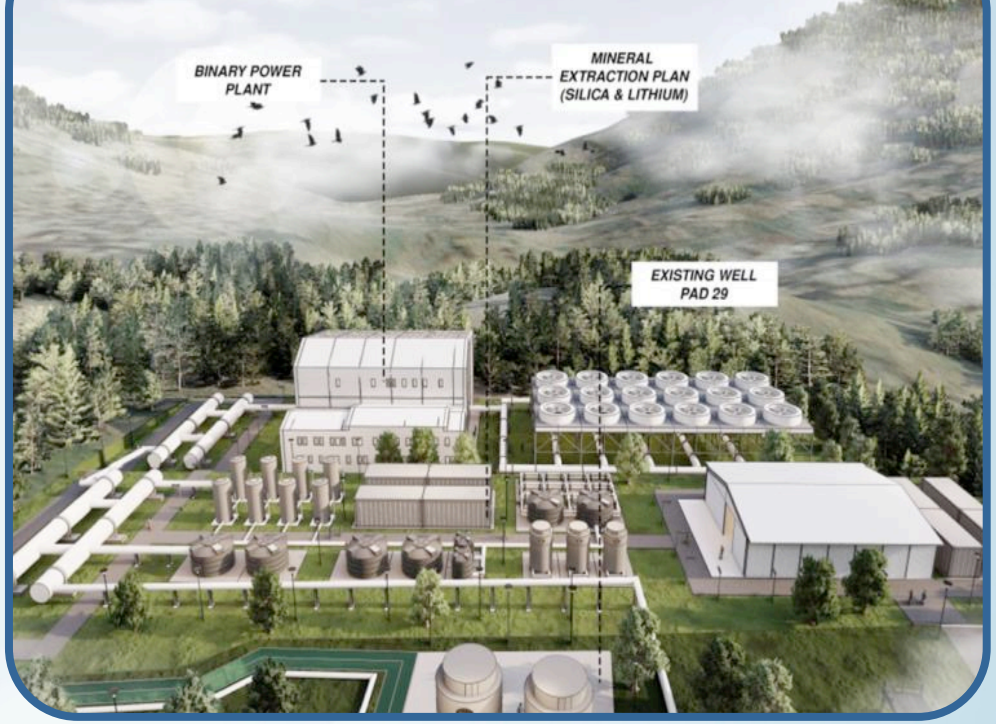
Dieng Lithium Extraction

Capex: ± 123 m USD
IRR: 17%
Offtaker:
- Local Battery Industries (EV)
- International Market: SG, AUD,Sweden, Poland, or new OEM

Li Potential: 2,190 ton/annum
COD Target: 2027

Investment Scheme
Schemes are negotiable such as Joint Venture, Joint Operation, etc

Extraction Mineral Plant



Contact Person

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Project Background

The Central Java Provincial Government and PT Geo Dipa Energi (Persero) ("PT GDE"), as a State-Owned Enterprise ("SOE") with specific business in geothermal development, offers the potential for geothermal power plants development at Dieng site, Wonosobo Regency. The Dieng Plateau, renowned for its geothermal potential and unique mineral deposits, provides an ideal setting for this project. The power plant will utilize advanced geothermal technology to convert the Earth's heat into electricity, contributing significantly to Indonesia's renewable energy targets and reducing reliance on fossil fuels.

Location

Dieng, Banjarnegara Regency.

PROJECTS:

Dieng Unit 3 & 4

Capex: ± 600 m USD
Equity IRR: ±12 - 13%
Offtaker:
PLN (National Electricity Company)

Capacity: 110MW
COD Target: 2031
Progress: FS (ongoing)

Dieng Unit 8 (Binary Power Plant)

Capex: ± 95 m USD
Equity IRR: ±17,43%
Offtaker:
PLN (National Electricity Company)

Capacity: 35 MW
COD Target: 2030
Progress: FS (ongoing)

Candradimuka Geothermal

Capex: ± 200 m USD
Equity IRR: ±10 - 15%
Offtaker:
PLN (National Electricity Company)

Capacity: 40 MW
COD Target: 2035
Progress: Exploration Preparation

Investment Scheme

Schemes are negotiable such as Joint Venture, Joint Operation, etc

Contact Person

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MODIFIED CASSAVA FLOUR INDUSTRY – BANJARNEGARA REGENCY

Project Background

Investing in Modified Cassava Flour (MOCAF) industry in Banjarnegara Regency offers very promising prospects, supported by easy accessibility to major distribution channels in Central Java as well as ease of licensing and investment incentives from the local government. The abundance of cassava raw materials and a favorable environment for the food processing industry strengthens the potential for this business development. Along with the increasing trend of healthy lifestyle and wheat flour substitution efforts, the demand for MOCAF flour continues to undergo significant growth, both in the domestic market and exports to countries that require gluten-free products. In 2024, the production capacity of MOCAF in Banjarnegara Regency reached 40 tons per month, with plans to increase capacity to 300 tons per month on a large industrial scale. The selling price of MOCAF at the artisan level in 2024 is in the range of IDR 15,000 per kg, which is relatively competitive compared to imported wheat flour.

Project Location

Masaran Village, Bawang District, Banjarnegara Regency, Central Java

Investment Estimated Cost

USD 2,4 million

- NPV : USD 1,4 million
- IRR : 15,71%
- Payback Period : 7 years

Scope of Work

Land Investment
Non Construction Investment
Construction Investment
Machinery & Plant Equipment Investment
Office Equipment Investment
Vehicle Investment
Contingency Risk (15%)

Investment Scheme

Built Operate Transfer

Land Status

- Area : 1 Ha
- Land owned by : Locals

Contact Person

Banjarnegara Regency Investment Agency
Jalan Letjend Suprapto No.234A, Semampir,
Banjarnegara Regency, Central Java Province
Phone : 0286-591012
Email : perijinan_terpadu@banjarnegarakab.go.id

SALT INDUSTRY – JEPARA REGENCY

Project Background

The prospect of salt industrialization in Indonesia is very high due to the domination of imported salt industry in Indonesia. The gap between supply and demand is an opportunity for the salt industrialization project in Jepara Regency to be a leading projects which can reduce the salt import and at the same time is beneficial for potential investors. Jepara as one of the regencies in Central Java has a coastline around 83 Km. Jepara Regency produces salt which reaches up to 50,000 tons per year and is a suitable location for salt industry with an area of 596 Ha (2024) and divided into 6 villages. The salt industry will use machines that can produce industrial salt which contains 97% of NaCL to meet the demand of the domestic market.

Project Location

Bulakbaru Village, Jepara Regency

Investment Estimated Cost

USD 5,5 million

- IRR : 16,97%
- NPV : USD 2.1 million
- Payback Period : 6 years

Land Status

- Area : 1,7 Ha
- Land owned by : Locals

Scope of Work

- Construction of salt processing factory
- Operating the salt processing factory

Investment Scheme

Build Operate Transfer

Contact

Jepara Regency Investment Agency
Name : Endang Purwaningsih, S.H., M.M
Phone : +62 812-2902-614

Project Background

Brebes Regency has a coastline of 67 km with 1,176 hectares of potential salt farm, but only about 600 hectares are currently in production. Most of the salt produced is coarse salt with industrial salt quality that meets national standards, which is above 97%, but it has not been further processed to meet industrial salt specifications. The investment project plan is to build a warehouse and industrial salt processing facility. A warehouse with a capacity of 20,000 tons, divided into 5 buildings (each with a capacity of 4,000 tons), will be built on 1 hectare of local government land. It is planned that 17,000 tons/year of salt will be sold directly, while the rest will be processed for supply to industry. The development project plan is focused on the construction of warehouses and industrial salt processing facilities. Moreover, the nearest salt storage and processing plants are located in Cirebon Regency. The warehouse in Cirebon Regency owned by PT. Garam, Tbk has a capacity of 32,000 tons, while the one owned by PT Sumatraco has a capacity of 20,000 tons. Some of the salt entering these warehouses comes from Brebes Regency, which has better quality than locally produced salt. Therefore, Brebes salt, as a product from outside the region, is less competitive in price and is not absorbed to its full potential, so Brebes needs to build its own warehouse.

Project Location

Losari, Tanjung, Bulakamba and Wanasari Sub-District

Investment Estimated Cost

USD 3 Million

- NPV : USD 2,8 Million
- IRR : 35%
- Payback Period : 5 years

Investment Scheme

A Build-Operate-Transfer (BOT) scheme for a period of 20 years. In addition, the investor will act as the operator of the warehouse and salt processing industry, while the salt farmers will serve as raw material suppliers through a partnership arrangement.

Land Status

- Area : 1 Ha
- Land owned by : Government of Brebes Regency

Contact Person

Name : Moh Zuhdan Fanani
Institution : Maritime and Fisheries Agency of Brebes Regency
Phone : +62 819-1222-2663

INTEGRATED COCONUT INDUSTRY – CILACAP REGENCY

Project Background

Integrated Coconut Industry is a project offered by the Government of Cilacap Regency in which the industry is expected to be producing coconut based products such as coconut oil, Nata de Coco, briquette, coconut fiber and many more. Coconuts are advantageous fruits since they leave no part to be wasted and they are being consumed internationally. Cilacap, a regency located in the south coast area of Central Java, holds the potential to be the major coconut producer in the province as they managed to harvest 58.657,63 ton of coconut in 2024. Considering this advantage, the local government offers 2,3 Ha in the total of 1.600 Ha industrial zone in Kesugihan district to develop an integrated coconut industry. It is strategically located especially with central government plan to build the trans java south coast toll road connecting West Java, Central Java and East java, making it easily accessible from land, sea and air.

Project Location

Kesugihan Sub-district, Cilacap Regency

Investment Scheme

Full Private

Total Investment Estimated Cost

USD 3,9 million

Factory	IRR (%)	NPV (USD)	Payback Period
Pre Production	31	867.569	3 years 7 months
Coconut fibre	29	650.204	3 years 8 months
Nata de Coco	34	711.120	3 years 1 month
Coconut oil factory	22	182.931	4 years 5 months
Briquette manufacturing	21	242.898	4 years 7 months

Scope of Work

- Construction of pre production factory
- Construction of coconut fibre factory
- Construction of nata de coco factory
- Construction of coconut oil factory
- Construction of briquette & liquid smoke factory

Land Status

- Area : 2,3 Ha
- Land owned by : Locals

Contact

Institution : Cilacap Regency Investment Agency
Telp/Fax : (0282) 544197 - 542909 Office
Address : Jalan Dr. Soetomo No 2, Cilacap

WAREHOUSE RECEIPT SYSTEM & AGRIBUSINESS SUBTERMINAL – GROBOGAN REGENCY

Project Background

Grobogan Regency introduces Warehouse Receipt System & Agribusiness Subterminal, a breakthrough project that is mutually beneficial for business people and farmers. As a Regency with the 8th largest rice producer in Indonesia and the largest producer of corn and soybeans in Central Java, Grobogan Regency is known as the national food supplier with abundant agricultural production. Warehouse Receipt System allows farmers to stock storable goods in exchange for a warehouse receipt issuance as a guarantee loan and it also provides agricultural equipment rental. On the other hand, Agribusiness Subterminal will be utilized as an agricultural product distribution center. This project is expected to provide convenience, security, and efficiency in the agricultural sector for both business people and farmers.

Project Location

Danyang Village, Purwodadi Subdistrict, Grobogan Regency, Central Java

Investment Estimated Cost

Warehouse Receipt System + Agribusiness Subterminal: USD 9 Million

- IRR : 18,4%
- Payback Period : 9 years 10 months
- Net Present Value : USD 15,9 million

**Investment is also opened for Warehouse Receipt System only. Kindly reach the project owner for further information*

Scope of Work

Construction of Warehouse and Agribusiness Subterminal;
Provision of tools and machinery for both Warehouse Receipt System and Agribusiness Subterminal and Commodity Market

Investment Scheme

BOT or Business to Business

Land Status

- Area : 6,82 Ha
- Land owned by : Government of Grobogan Regency

Contact

Institution : Regional Development Agency Grobogan Regency (Mrs. Endah)
Telp/Fax : (0292) 421084 / +62813 2604 4565
Address : Bappeda Kab. Grobogan, Jl. S. Parman No.23 Purwodadi

INTEGRATED FISHERIES SPECIAL ZONE – CILACAP REGENCY

Project Background

Cilacap Regency is one of the longest coastal areas in Java with a length of 248 km. Cilacap also has great potential in the fisheries sector with marine fishing production in 2023 reaches 41.664 tons in which 6.141 tons of them are Tuna (Albacore, Yellowfin, Bigeye, and Bluefin). Looking at this potential, this project aims to build a special fisheries area that is integrated with a sustainable marine economic ecosystem, utilizing the abundant marine resources in the Cilacap region to be more optimal and environmentally friendly. Through the Blue Economy approach, this project will not only support the processing of fishery products, but also integrate the development of environmentally friendly technology, increased energy efficiency, and preservation of natural resources. This project offers cold chain logistic, tuna canning, tuna processing industry, fish and shrimp feed industry, and fishing equipment industry. Moreover, Cilacap Regency Government planned to expand its Ocean Fishing Port to accommodate 30 GT ships to support this project.

Project Location

Karangkandri Sub-district, Cilacap Regency

Investment Scheme

Full Private or Public-Private Partnership

Investment Estimated Cost

Component	Estimated Investment cost (USD)	IRR (%)	NPV (USD)	Payback Period	Preferable Scheme
Cold Chain Logistic	1,040,755	33	1,486,085	4 years 2 month	Full Private
Tuna Canning	890,585	42	1,842,390	2 years 8 month	Full Private
Tuna Processing Derivative Industry	1,187,044	17	448,330	5 years 7 months	PPP
Fish/shrimp feed industry	1,178,595	26	1,138,348	4 years 4 months	PPP
Fishing equipment industry	102,971	19	43,444	4 years 9 months	PPP

Land Status

- Area : 82 Ha (expandable to 200 Ha)
- Land owned by : PT Cilacap Segara Artha

Contact

Name : Indarto (Head of marine and fisheries department)
Institution : Cilacap Regency Marine and Fisheries Office
Telephone : +62 857-4780-8069 / 0282-534178 (office)
Email : indarto.clp@gmail.com

INTEGRATED SHRIMP INDUSTRY – CILACAP REGENCY

Project Background

The Government of Cilacap Regency requires an investment to develop an Integrated Shrimp Industry which includes shrimp feed factory, white leg shrimp seeding, cultivation farm, and white leg shrimp processing factory. This industry is expected to fulfill large portion of domestic and international market demands by maximizing the utilization of the potential land for the development of integrated shrimp. Cilacap Regency is one of the biggest shrimp producers in Indonesia with 5.000 ton annual shrimp production (2022). The commodity is exported to Japan and various countries through domestic exporter. The selected location for this project is in Binangun Sub-district which is close to the area of community's fishponds. This project is supported by the participation from the local community as a collaborative partner in order to ensure the sustainability of the Integrated Shrimp Industry.

Project Location

Binangun Sub-district, Cilacap Regency

Investment Scheme

Build Operate Transfer with 25 years concession

Land Status

- Area : Estimated 55,4 Ha
- Land owned by : Cilacap Regency Government

FINANCIAL ANALYSIS	SHRIMP FEED FACTORY	SHRIMP HATCHERY	SHRIMP CULTIVATION	SHRIMP PROCESSING FACTORY
Investment Value	USD 5 million	USD 7.5 million	USD 6.5 million	USD 16 million
NPV	USD 59.215	USD 163.911	USD 950.236	USD 998.207
IRR	12,22%	13%	12,67%	12,71%
Payback period	5 years 11 months	5 years 9 months	5 years 9 months	5 years 10 months

Scope of Work

Develop fisheries sector potency, especially shrimp feed industry and fishery products processing industry in a form of:

Shrimp feed factory, Hatchery, Cultivation farm for White leg Shrimp and White leg Shrimp processing factory

Contact

Institution : Cilacap Regency Investment Agency
Telp/Fax : (0282) 544197 - 542909 Office
Address : Jalan Dr. Soetomo No 2, Cilacap

FISHERY INDUSTRY CENTER – PATI REGENCY

Project Background

Pati Regency has a strategic role as the main supplier of capture fisheries in Central Java, with an average production of 39.8 million kg per year. To maximize this potential, Pati Regency aims to build a fisheries industry center project in Juwana sub-district. The project aims to increase the added value of the fisheries sector through the industrialization of capture fisheries. The project is also designed to support integrated fish processing, create an efficient supply chain, and improve the competitiveness of regional fishery products.

Project Location

Bakaran Wetan Village, Juwana District, Pati Regency

Investment Estimated Cost

Total: USD 2,4 Million

FINANCIAL ANALYSIS	SHIP MOORING DOCK	COLD STORAGE	FISH PROCESSING FACTORY
Investment Value	USD 1 million	USD 700.000	USD 785.000
NPV	USD 410.465	USD 541.790	USD 324.186
IRR	19,62%	25,94%	19,48%
Payback period	5 years 5 months	3 years 7 months	4 years 6 months

Investment Scheme

Build Operate Transfer with 25 years concession

Scope of Work

- Construction of Ship Mooring Dock
- Provision of Cold Storage
- Construction of Fish Processing Factory

Land Status

- Area : 2.6 Ha (for fishery industry center)
  5 Ha (for ship mooring dock)
- Land owned by : Pati Regency's Government

Contact

Name : Mr. Taryadi
Institution : Marine and Fisheries Office Pati Regency
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Phone : (+62) 85641810868

TAMAN KYAI LANGGENG ECOPARK– MAGELANG CITY

Project Background

Taman Kyai Langgeng is part of the National Tourism Strategic Area (KSPN), and located close to the super-priority tourist destination Borobudur Temple (18km away). TKL Ecopark is also close with other tourist destinations such as Kebun Raya Gunung Tidar, Ketep Pas, Punthuk Setumbu, Bukit Rhema, and Nepal Van Java. Taman Kyai Langgeng is currently operating yet its potential has not been fully utilized. Taman Kyai Langgeng Ecopark management seeks to maximize its potential by making several transformation efforts, including Business Model Transformation, Brand Image Transformation, and Financial Transformation. In this regard, investment collaboration with better management is necessary to optimize some areas of TKL Ecopark that attract more visitors.

Project Location

Taman Kyai Langgeng, Cempaka Road, 6th, Magelang City, Central Java

Investment Estimated Cost

USD 12 Million

FINANCIAL ANALYSIS	CULINARY PARK	WAVEPOOL WATERPARK	GLAMPING & EXECUTIVE GH	ECO LIVING MALL & HOTEL
Investment Value	USD 640. 000	USD 660.000	USD 250.000	USD 10 million
NPV	USD 1,6 million	USD 630.000	USD 430.000	USD 3,6 million
IRR	39,2%	21,06%	29,82%	13,76%
Payback period	4 years 1 month	7 years 6 months	5 years 4 months	12 years 3 months

Land Status

- Area : ± 23 Ha
- Land owned by : Taman Kyai Langgeng Regional Owned Enterprise

Investment Scheme

- **Utilization Cooperation** for Eco Living Mall & Hotel;
- **BOT** for Culinary Park, Wave Pool, Glamping & Executive Guesthouse

Scope of Work

Development of:
Culinary Park; Wavepool Waterpark; Glamping and Executive Guest House; Eco Living Mall and Hotel

Contact

Institution : TKL Ecopark (Ms. Arum)
Telp/Fax : +62 813-2800-4348
Address : Cempaka Road, 6th, Kemirirejo, Magelang City, Central Java

Project Background

To encourage tourism growth in Jepara Regency, Jepara Regency Government offers the development of Pulau Panjang tourism potential to investors. Investors will obtain development and management rights by considering environmental aspects and cooperating with the surrounding community as a contribution and reduction of social impacts resulting "Aqua Edu Culture Park – Pulau Panjang". Jepara Regency has great potential for tourism development which is not only for the locals but also domestic and foreign tourists. This was triggered by Karimunjawa Islands which have been designated as a National Strategic Area.

Land Status

- Area : 19.2 Ha
- Status : Right to Use
- Authority : Jepara Regency Government

Project Location

The area of the island is ± 19.2 Ha, located 2 km from Kartini Beach and 80 km from Karimunjawa Islands.

Investment Estimated Cost

USD 2,16 million

DF (Discount Factor)	NPV	IRR	Payback Period	Discounted Payback Period
8.37%*	USD 3,83 million	19.93%	7 years 9 months	9 years 6,5 months
10%	USD 2,83 million		7 years 9 months	10 years 0.2 months
12%	USD 1,91 million		7 years 9 months	10 years 8,8 months

Investment Scheme

BOT cooperation with Jepara Regency Government

Contact Person

Wuri Andajani
Jepara Regency Investment Office
Mobile: +62 8122579043
Email: andajaniwuri@gmail.com

Scope of Work

Financing, construction, operation and management of:

1. Harbour & Main Gate
2. Tourism Information Center (TIC)
3. Food and souvenir Stall
4. Bird Park
5. Beachfront promenade
6. Skywalk
7. Cemetery of Sheikh Abu Bakar bin Yahya Ba'alawy, one of the propagators of Islam in Jepara
8. Lighthouse

WASTE TO RDF (REFUSE-DERIVED FUEL) – GROBOGAN REGENCY

Project Background

Municipal waste has always been a problem in various cities in Indonesia. However, in some areas in Central Java, such as in Grobogan Regency, municipal waste has an opportunity to be processed to be RDF (Refuse-Derived Fuel) and other products which are economically more valuable. This project is expected to process 220 ton/day waste into 86 ton RDF/day. Currently, municipal waste volume in Grobogan Regency reaches 1043 tons/day, of which only up to 81 Tons/day can be transported to the landfill. Therefore, there is opportunity to expand the processing capacity of this project. Grobogan Regency government has cooperated with Semen Grobogan (Cement Factory) to be the off-taker for this RDF project.

Project Location

Ngembak, Grobogan, Central Java

Investment Scheme

Utilization Cooperation
BOT/BTO
PPP

Investment Estimated Cost

USD 2,7 million (RDF)

Feasibility Parameter	Scenario*		
	1	2	3
Payback Period	4,4 years	5,2 years	4,4 years
NPV	USD 2,5 Million	USD 4,1 Mill	USD 2,5 Mill
IRR	22.9%	17.11%	23,17%

*Scenario is based on investment schemes, scope of work, etc. For further information about the scenarios, please contact the project owner

Land Status

Area: 1 Ha
Land owned by: Grobogan Regency Government

Contact Person

Name : Candra Yulian Pasha
Institution : Regional Development Planning Agency Grobogan Regency
Phone : +62 812-1587-871 / 0292 421084 (office)
Email : candra.bappeda.grobogan@gmail.com

Project Background

Grobogan Regency, with its primary agricultural commodities of rice, corn, and soybeans, is one of the main food-producing regions in Central Java Province. Supported by vast agricultural land, favorable climate conditions, and the implementation of modern agricultural programs and technologies, the regency consistently produces crops in large quantities. With such agricultural abundance, Grobogan holds significant potential for utilizing agricultural waste, such as rice husks, corn cobs, straw, and soybean residues, as a sustainable biomass source that can be converted into alternative energy. This investment proposal offers a sustainable solution through the development of a biomass production facility utilizing agricultural waste. The main products to be generated are Liquefied Biogas (LBG) and biomass briquettes, with bio-fertilizer as a by-product. One of the potential offtakers is PT Semen Grobogan, which requires a steady supply of biomass energy to substitute fossil fuels. The presence of PT Semen Grobogan as an offtaker provides strong market certainty for the project while ensuring long-term benefits for local farmers, communities, and regional industries.

Project Location

Tanggungaharjo District, Kedungjati District

Investment Estimated Cost

USD 13,2 Million

- NPV : USD 24,2 million
- IRR : 18,10%
- Payback Period : 4,4 years

Investment Scheme

B2B / Utilization Cooperation

Land Status

- Area : 62 Ha
- Land owned by : PT Azam Laksana Intan Buana (PT Alib)

Contact Person

Name : Candra Yulian Pasha
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Email : candra.bappeda.grobogan@gmail.com

WASTE TO REFUSE DERIVED FUEL (RDF) – DEMAK REGENCY

Project Background

Demak Regency is currently facing a waste management problem that must be resolved immediately. By 2025, waste volume in Demak Regency is estimated to reach 626.4 tons/day, while the waste transportation capacity to the Berahan Kulon landfill is only 120 tons/day. Refuse Derived Fuel (RDF) is a promising solution to address municipal waste issues while providing a renewable energy source. In line with this, Demak Regency location is close to PT. Semen Grobogan which requires RDF as a co-firing fuel for coal. The estimated demand for RDF in the industrial sector, particularly in Indonesia's cement industry, is projected to reach 131.94 million tons per year, while the demand for coal for production at PT. Semen Grobogan is estimated at 2,000–2,500 tons per day. In 2025, RDF production in Demak Regency is planned to reach a production capacity of 200 tons per day or around 20,736 tons per year. In addition to RDF, this project requires an analysis of the demand or absorption capacity for an equally important by-product, namely maggots. Market demand analysis for maggots as feed is conducted using statistical data on the potential for fisheries and poultry farming in the Demak region as users of maggot feed.

Project Location

Berahan Kulon Village, Wedung District

Investment Estimated Cost

USD 3,5 Mill (RDF) and USD 78.000 (Maggot)

- NPV : USD 2,3 Mill (RDF) and USD 750.000 (Maggot) – USD 3 Mill (integrated)
- IRR : 22,91% (RDF) and 85,92% (Maggot) – 25,4% (integrated)
- Payback Period : 4,5 years (RDF) and 1,3 years (Maggot) – 4,15 years (intergrated)

Investment Scheme

PPP/BOT/BTO

Land Status

- Area : 25,06 Ha
- Land owned by : Government of Demak Regency

Contact Person

Name : Sudarwanto
Institution : Environmental Agency of Demak Regency
Phone : 081325607567
Email : persampahandlh2@gmail.com

WASTE TO REFUSE DERIVED FUEL (RDF) – PATI REGENCY

Project Background

Currently, the potential waste generation in Pati Regency is around 690 tons per day, while the waste processing capacity at the landfill is only 189 tons per day. Sukoharjo Landfill is the only landfill site in Pati Regency, covering an area of approximately 12.5 hectares, of which 5 hectares have been designated for the construction of an industrial facility. Refuse Derived Fuel (RDF) serves as one of the alternative sources of renewable energy. In addition to RDF, waste materials can also be processed into other products, such as maggots, which can be used as animal or fish feed. In Pati Regency and its surrounding areas, the industrial sector, particularly cement factories, represents the primary potential market for RDF. Based on the assumption that 1 ton of RDF can replace 1 ton of coal, the RDF demand for industrial sectors in Pati Regency is estimated to reach 131.97 million tons per year. However, the planned RDF production capacity at Sukoharjo Landfill is only 75 tons per day, or approximately 27,000 tons per year, assuming operations for 30 days per month. This gap indicates a significant opportunity to increase RDF production capacity or to optimize RDF utilization by improving efficiency in industrial processes.

Project Location

Sukoharjo Landfill, Margorejo Sub-District

Investment Estimated Cost

USD 4,2 Million

- NPV : USD 1 Million
- IRR : 15%
- Payback Period : 7 years 2 months

Investment Scheme

Utilization Cooperation - Land Rent

Land Status

- Area : 1,4 Ha
- Land owned by : Government of Pati Regency

Contact Person

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Project Background

With the increasing population and limited health facilities in Semarang Regency and the existing BOR (Bed Occupancy Rate) which reaches 70% - 90% in several hospitals in Semarang Regency, the surrounding community highly demands new healthcare facility. Therefore, the Government of Semarang Regency offers an investment opportunity to build a hospital facility in Semarang Regency. The concept that is offered by the Semarang Regency Government is a green hospital concept with 200 beds. This can certainly reduce the shortage of 610 beds as of June 2024 for the entire Semarang Regency at various class levels. In addition, the green hospital is also expected to offer health facilities specializing in oncology, traumatology, ophthalmology, and geriatrics.

Project Location

Barukan Village, Tengaran Sub-District, Semarang Regency

Investment Estimated Cost

USD 23 million

- IRR : 9,94%
- NPV : USD 24 million
- Payback Period : 7 years 2 months

Land Status

- Area : 3,6 Ha
- Land owned by : Semarang Regency Government

Investment Scheme

Build Operate Transfer

Contact

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