

Project Investment Session Hongkong 2026

Minahasa, Timika-2, Nias2-3, Pesanggaran

9-10 September 2026, Hong Kong



PLTMG Bali (GAS ENGINE POWER PLANT) (New Pesanggaran) 200 MW



PLTMG BALI (Pesanggaran) – PROJECT PROFILE

Item	Project Information
Name	PLTMG Bali
Capacity	200 MW
Location	Development site around UBP Pesanggaran
Interconnection	150 kV power evacuation (Pesanggaran GIS)
Target COD	2026 (RUPTL 2025-2034)
Scheme / Funding Source	Self-development (Full Equity)
Project Value	\$320.387.324,-
Developer	SH PLN (RUPTL 2025-2034)

Location

Use of 3.45 hectares of Pelindo land has been agreed through the signing of a Cooperation Agreement (PKS) between PLN IP and Pelindo

Plant Site Coordinates: 115°12'46.95"E 8°43'3.648"S

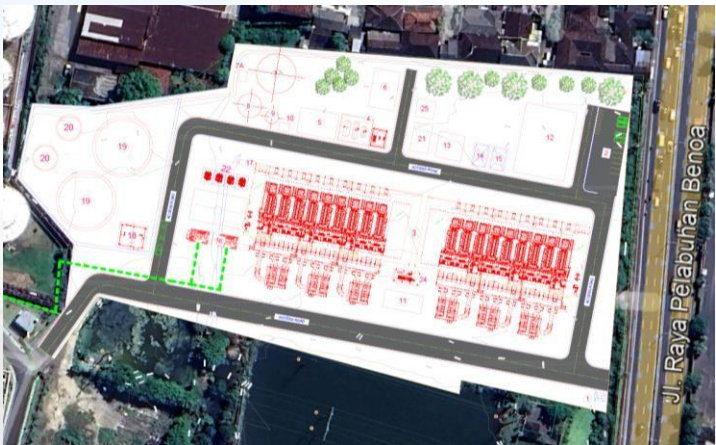


PLTMG BALI 200 MW
Development site around UBP Pesanggaran

PLTMG BALI (Pesanggaran) – TECHNICAL & ECONOMIC STUDY SUMMARY



Plant Location



Plant Parameters

Parameter	Unit	Value
Net Plant Capacity	MW	200
Capacity Factor	%	42%
Annual Energy Production	MWh	735.840
SGC (HHV)	kcal/kWh	2.300
SFC	Liter/kWh	0.35
Gas Price	USD/MMBTU	18.12
HSD Price	Rp/Liter	13.125
Planned Construction	Year	2025
Planned COD	Year	2026 / 2027
Useful Life	Year	20
Construction Period	Months	18

Based on the PLTMG Pesanggaran 200 MW specification with a 42% capacity factor, annual electricity output is 735,840 MWh.

Use of 3.45 hectares of Pelindo land has been agreed through the signing of a Cooperation Agreement (PKS) between PLN IP and Pelindo



PLTMG (GAS ENGINE POWER PLANT) Nias 2 and Nias 3 - 25 MW



PLTMG NIAS 2 DAN PLTMG NIAS 3 – PROJECT PROFILE



Item	Project Information
Name	PLTMG Nias 2 and Nias 3
Capacity	25 MW
Location	Humene Village, Gunung Sitoli Idanao, Gunung Sitoli (Nias Island, North Sumatra)
Interconnection	Gunung Sitoli 70 kV Substation
Target COD	2027 (RUPTL 2025-2034)
Scheme / Funding Source	Self-development / DER 70:30
Project Value	\$72.048.760,-
Developer	SH-PLN



Plant Site Coordinates:

Latitude: 1°12'27.62"N
Longitude: 97°40'39.12"E

Land Requirement:

Plant land 1.53 ha



The planned sites for PLTMG Nias-2 and Nias-3 are within the Nias Island power system (70 kV).

Plant Location



Plant Site Coordinates:

Latitude: 1°12'27.62"N

Longitude: 97°40'39.12"E

Administratively, the planned sites of PLTMG Nias-2 and PLTMG Nias-3 are located in Gunung Sitoli, Nias Island, North Sumatra Province.

Plant Parameters

Parameter	Unit	Value
Net Plant Capacity	MW	25
Capacity Factor	%	46
First-year Energy Production	MWh	100.740
Heat Rate (HHV) with Gas	kCal/kWh	2.228,75
SFC with Biofuel	Liter/kWh	0,29
Gas Price	USD/MMBTU	18,26
B40 Industrial Diesel Price	Rp/Liter	15.125
Component C Tariff (Gas)	Rp/kWh	2.582,40
Component C Tariff (B40)	Rp/kWh	4.386,25
Planned Construction	Year	2026
Planned COD	Year	2027
Useful Life	Year	20
Construction Period	Months	18

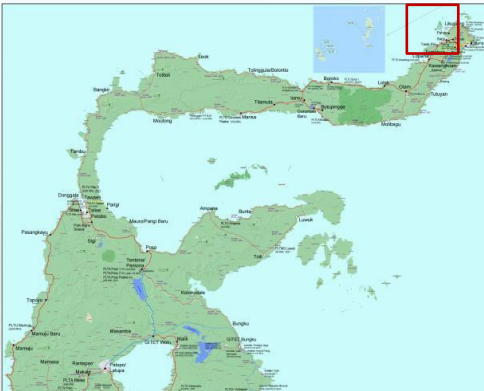


PLTMG (GAS ENGINE POWER PLANT) MINAHASA - 150 MW



PLTMG Minahasa – PROJECT PROFILE

Item	Project Information
Name	PLTMG Minahasa
Capacity	150 MW
Location	East Likupang District, North Minahasa Regency, North Sulawesi
Interconnection	Likupang 150 kV Substation, ± 2 km
Target COD	100 MW in 2026 and 50 MW in 2027 (RUPTL 2025-2034)
Scheme / Funding Source	Self-development (Full Equity)
Project Value	\$217.518.854,-
Developer	SH-PLN



The planned plant site is in Wineru Village, East Likupang District, North Minahasa Regency, North Sulawesi, with an estimated land requirement of +16 ha.

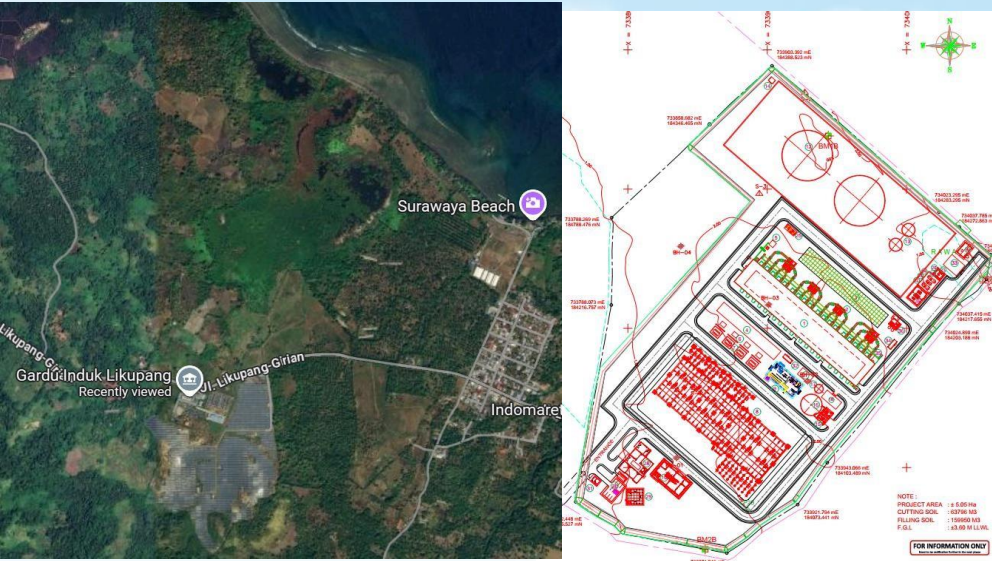


The 150 MW PLTMG Minahasa is planned in Likupang, North Sulawesi, with the interconnection point at Likupang 150 kV Substation, part of the North Sulawesi (Sulbagut) 150 kV grid system.

PLTMG Minahasa – Technical & Economic Study Summary



Plant Location



The planned 150 MW PLTMG Minahasa site falls within the North Sulawesi–Gorontalo interconnection system. The potential plant site is Surabaya Beach, East Likupang, North Sulawesi, tapping into the Likupang 150 kV substation.

Operational Study Comparison Options:

Option 1: Construction of PLTMG Minahasa 150 MW

Option 2: Diesel plant (PLTD) rental

Plant Parameters

Parameter	Unit	Value
Net Plant Capacity	MW	150
Capacity Factor	%	41.7% (first year)
First-year Energy Production	MWh	365.000
Heat Rate (HHV)	kCal/kWh	2.238
Gas Price	\$/MMBTU	18,47
Gas Price	Rp/kWh	2.623
Fuel Consumption (HSD) - SFC	Liter/kWh	0,287
B40 Industrial Diesel Price	Rp/Liter	15.125
Planned Construction	Year	2026
Planned COD	Year	2027-2028
Useful Life	Year	20
Construction Period	Months	24

Year	Energy (MWh)	Capacity (MW)	CF
1	365,000	100	41.7%
2	532,000	150	40.5%
3	352,000	150	26.8%
4	304,000	150	23.1%
5	261,000	150	19.9%
6	400,000	150	30.4%
7	400,000	150	30.4%

onwar
CF based on PLN KKP



PLTMG (GAS ENGINE POWER PLANT) TIMIKA-2 (40 MW)



Project Overview PLTMG Timika-2

Item	Project Information
Name	PLTMG Timika-2
Capacity	40 MW
Target COD	2026 (RUPTL 2025-2034)
Location	Pomako Village, East Mimika District, Mimika Regency, Central Papua Province
Interconnection	GI PLTMG Timika (Pomako) 150 kV
Power Plant Type	Gas Engine Power Plant (Dual-Fuel)
Fuel Source	LNG (Primary Fuel) / Biodiesel (Backup Fuel)
Project Developer	SH PLN/PLN IP
Project Cost	USD 116.164.873,64

General Information

- The **Gas Engine Power Plant (PLTMG)** development aims to:
 - Anticipate potential electricity demand growth in the **Timika/Central Papua Power System**.
 - Strengthen the local power system's supply reliability by increasing the **reserve margin** while reducing the **Cost of Electricity Supply (BPP)**.
- **Grid Interconnection:** Integration with the existing **150 kV Timika (Pomako) PLTMG Substation (GI)** through the addition of **two extension bays**.
- **EPC Procurement:** Currently in the **EPC procurement process**.
- **Project Location:** The project is located within the existing **Timika-1 Gas Engine Power Plant (PLTMG)** site.



PLTMG Timika 2 – Summary

Power Plant Location



The proposed **40 MW Timika 2 Gas Engine Power Plant (PLTMG)** will be located in **Pomako Village, East Mimika District, Mimika Regency, Central Papua Province**. The project will be developed within the same site as the existing **10 MW Timika Gas Engine Power Plant (PLTMG)**, with the planned grid interconnection at the **150 kV Pomako Substation (GI Pomako)**.

Key Parameter

Parameter	Satuan	Nilai
Net Plant Capacity	MW	40
Capacity Factor	%	75
Energy Production	GWh/ Year	262,8
Constuction Plan	Year	2026
Target COD	Year	2029
Design Life	Year	20
Construction Period	Month	±36

With an installed capacity of **40 MW** and an assumed **75% capacity factor**, the **Timika 2 Gas Engine Power Plant (PLTMG)** is projected to produce approximately **262.8 GWh** of electrical energy annually.