

SOLAR POWER PLANT East Kalimantan Province

"Opportunity to Contribute to Providing
Future Energy through PLTS Investment in
the New National Capital City (IKN)."

Market Condition

- The demand for electric power until 2024 is projected to be 95.5 MW.
- There is an obligation to fulfill the Domestic Component Level (TKDN) of 40.68%. Currently, for PLTS, the utility scale reaches 15-47%.
- IKN's electricity needs must be supplied by 100% renewable energy with a business scheme that is the business area (wilus) of IKN (single seller) with its tariff policy according to Presidential Regulation No. 63 of 2022.
- There is a quota of 50 MW for the South Central East and Southeast Kalimantan region (Kalseltengtimra) in the 2021-2030 RUPTL.

Target Produksi

±4,37
kWh/m²

Average
Irradiation

220-552
kWh/m²

74,73
GWh/year

Energy
Production

KBLI
(Business Classification Registry)

35111

Electric Power Generation
with Solar Energy

Project Location

Sepaku District,
North Penajam Paser
Regency,
East Kalimantan Province.

Land

Located in the South IKN Planning Area,
which is allocated for the development
of new renewable energy.
Land Compensation: IDR 90,000/m².

LAND
AREA
130
HECTARES

Infrastructure

Electricity



Electrical
Transmission
150 kV

Substation



Nearest
Substation
±6 km

Airport



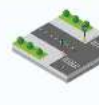
Sultan Aji
Muhammad
Sulaiman
Sepinggan
±184 km

Port



Kariangau
± 23,9 km

Road



Simpang
Sambaja
Provincial
Road

Labor Force

- The labor needed by the PLTS East Kalimantan project is 100 construction workers and 20 operational workers.
- The 2022 minimum wage is IDR 3,363,809.

Investment Value:
IDR **465,22** billion

7,78
percent

WACC

Weighted Average
Cost of Capital

11,05
percent

IRR

Internal Rate
of Return

IDR
104,15
billion

NPV

Net Present
Value

7 years
1 months

PP

Payback
Period

SUSTAINABLE DEVELOPMENT GOALS

1 NO POVERTY



3 GOOD HEALTH
AND WELL BEING



7 AFFORDABLE AND
CLEAN ENERGY



8 DECENT WORK AND
ECONOMIC GROWTH



10 REDUCED
INEQUALITIES



13 CLIMATE
ACTION



17 PARTNERSHIPS
FOR THE GOALS



Directorate of Natural Resources Planning

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