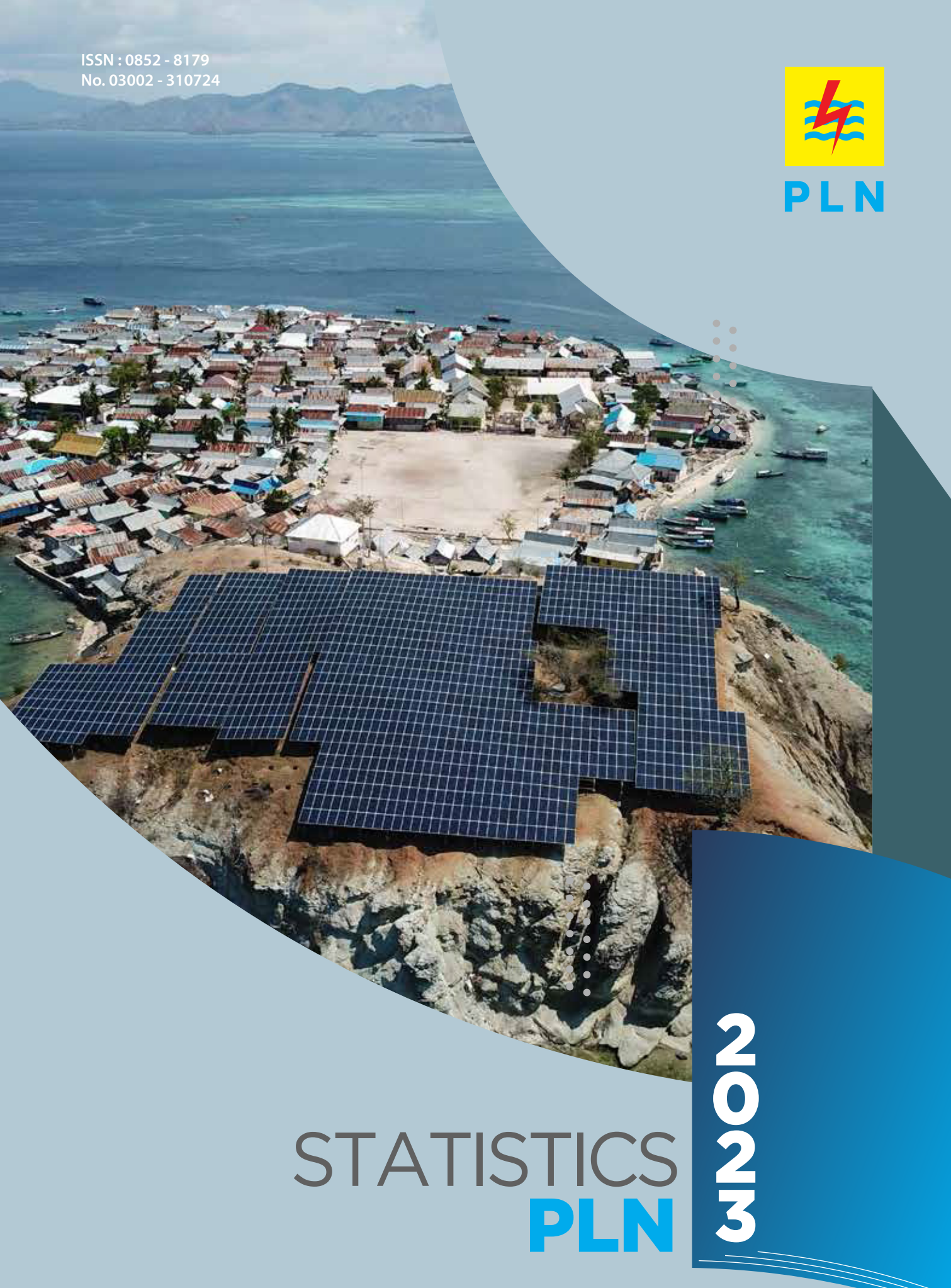


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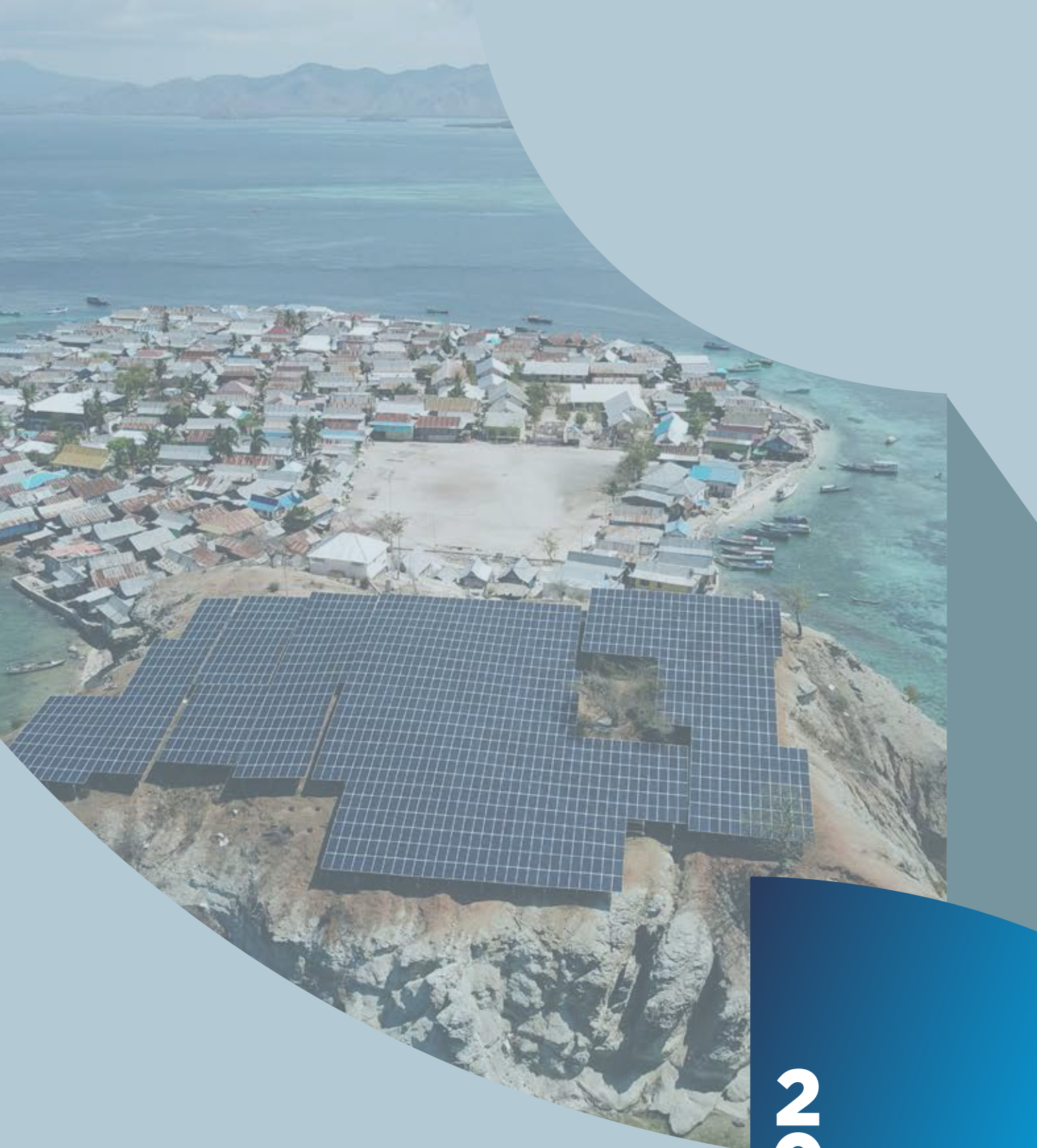


PLN



STATISTICS **PLN**

2023



STATISTICS
PLN

2023

Preface

Statistics PLN 2023 contains information on performances of PT PLN (Persero) and its Subsidiary Companies for Calendar Year 2023 as well as the preceding years.

The presented data is a combination of data from PLN Holding, Subholdings, and Subsidiaries, and is also accompanied by several charts to facilitate readers understanding.

Constructive comments and feedback are expected for the improvement of the presentation, and will be incorporated in 2024 publication.

Jakarta, June 2024

PT PLN (Persero)

1. Generation

Installed Capacity

As of the end of December 2023, the total installed capacity and the number of PLN power plant units (PLN Group power plant units) reached 45,095.19 MW and 6,446 units, with 31,202.08 MW (65.29%) located in Java.

The total installed capacity increased by 0.34% compared to the end of December 2022. The percentage of installed capacity by type of power plant is as follows:

Coal-fired Power Plants (PLTU): 20,439.90 MW (28.01%), Gas-fired Power Plants (PLTGU): 12,089.10 MW (16.57%), Diesel Power Plants (PLTD): 3,521.21 MW (4.83%), Combined Cycle Power Plants (PLTMG): 2,071.31 MW (2.84%), Hydropower Plants (PLTA): 3,142.85 MW (4.31%), Small Hydropower Plants (PLTM and PLTMH): 454.27 MW (0.62%), Gas Engine Power Plants (PLTG): 2,763.97 MW (3.79%), Geothermal Power Plants (PLTP): 579.26 MW (0.79%), and Solar, Wind, and Biomass Power Plants (PLT Surya, PLT Bayu, and PLT Biomas): 33.32 MW (0.04%).

The total national installed capacity, including leased and Independent Power Producer (IPP) plants, is 72,976.30 MW.

Peak Load in 2023*)

The peak load in 2023 reached 58,282.48 MW, experiencing an increase of 39.43% compared to the previous year.

The peak load of the Java-Bali interconnected system reached 40,223.47 MW, while the peak load outside Java-Bali reached 18,059.01 MW.

Production and Purchase of Energy

During the year 2023, the total electricity production (including self-production and leased) amounted to 183,980.89 GWh.

Of this total, 17.28% was produced by PLN Holding, while 82.72% was produced by Subholding companies, namely PLN Indonesia Power, PLN Nusantara Power, and the subsidiary PT PLN Batam.

The overall production by PLN (including purchases from external sources) in 2023 reached 323,320.62 GWh. Out of this total PLN production, electricity purchased from external sources amounted to 139,339.73 GWh (43.10%). This purchase increased by 15,156.46 GWh or 12.20% compared to the previous year.

2. Transmission and Distribution

At the end of 2023, the total length of the Transmission Network Reached 87,691.48 kilometers. It consists of the following segments: 500 kV network: 7,194.43 kilometers, 275 kV network: 4,572.67 kilometers, 150 kV network: 69,075.92 kilometers, 70 kV network: 6,747.14 kilometers, and 25 & 30 kV network: 101.33 kilometers. The total length of the Distribution Network is 1,048,183.16 kilometers, comprising: Medium Voltage (JTM): 438,900.17 kilometers, and Low Voltage (JTR): 609,282.99 kilometers.

The installed capacity of substation transformers is 180,164.65 MVA, representing an 11.65% increase from the previous year. The total number of substation transformers is 2,712, categorized as follows: 500 kV system: 90 units, 275 kV system: 49 units, 150 kV system: 2,264 units, 70 kV system: 307 units, and <30 kV system: 2 units.

The installed capacity of Distribution Substation Transformers is 66,716.23 MVA, experiencing a 1.95% increase from the previous year. The total number of Distribution Substation Transformers is 558,994, showing a 1.48% increase from the previous year.

*) Peak load of PLN's Power Plant, Rented and IPP

3. Energy Sales

The total electricity sold in 2023 amounted to 288,435.78 GWh. Consumption by customer groups: Industrial Customers: 88,587.68 GWh (30.71%), Household Customers: 122,339.69 GWh (42.41%), Business Customers: 57,112.00 GWh (19.80%), and Others (social, government buildings, and street lighting): 20,396.41 GWh (7.07%).

The total number of customers at the end of 2023 was 89,153,278, representing a 4.11% increase from the end of 2022.

The average selling price per kWh based on AP2T data during 2023 was Rp1,155.47/kWh, higher than the previous year's Rp1,137.26/kWh.

4. Energy Losses

In 2023, energy loss was 8.57%, comprising 2.01% transmission loss and 6.71% distribution loss. This represents an improvement compared to 2022, which had a loss of 8.72% (negative polarization).

5. Electrification Ratio

With the growth in the number of household customers from 78,328,012* at the end of 2022 to 81,556,202* at the end of 2023, the electrification ratio becomes 98.33%**).

6. Financials

During 2023, the total operating revenue reached IDR 487,384,064 million, consisting of electricity sales revenue of IDR 333,191,062 million, connection fee revenue of IDR 1,288,284 million, government subsidies of IDR 68,636,731 million, compensation revenue of IDR 73,991,897 million, and other revenues of IDR 10,276,090 million.

7. Human Resources

The total number of PLN employees at the end of December 2023 was 51,245. Employee productivity in 2023 reached 5,628.56 MWh per employee and 1,740 customers per employee.

**) Including customers of electrical power distribution equipment (APDAL)*

****) Excluding non-PLN customers*

1. The formulas used in this book are defined as follows.

1.1. The *Capacity Factor* *)

$$\frac{\sum \text{kWh gross production annually}}{\sum \text{kW installed capacity} \times 8.760 \text{ hours}} \times 100\%$$

kWh gross production, is the energy (kWh) generated by the generator before deducting the energy used for own purpose (for auxiliary equipment, station lighting, etc.) or the production of electric energy measured at the generator terminal.

Installed capacity, is the capacity of one generating unit as written on the generator name plate or on the prime mover, which of both is the smaller. Particularly for Gas Turbine Power Plants, the installed capacity is as written on the name plate based on the base-load and not on the peak-load.

1.2. *Load Factor* *)

$$\frac{\sum \text{kWh total production annually}}{\sum \text{kW peak load} \times 8.760 \text{ hours}} \times 100\%$$

kWh total production, is the total kWh produced by the generator of the PLN unit in question plus the kWh received from the other PLN units plus the kWh purchased from outside PLN (if any).

Peak Load, is the highest load ever reached by each system in the calendar year in question.

1.3. *Demand Factor*

$$\frac{\sum \text{kW peak load}}{\sum \text{kVA connected} \times \cos \varphi} \times 100\%$$

$$\cos \varphi = 0,8$$

*) Circular Letter of the PLN BOD No. 006/PST/88

1.4. Energy Losses

$$\frac{\sum \text{kWh transmission losses} + \sum \text{kWh distribution losses}}{\sum \text{kWh netto production}} \times 100\%$$

kWh netto production is the energy (kWh) generated by the generator, plus the energy (kWh) received from the other PLN Unit, plus the energy (kWh) purchased from outside PLN and rented (if any), minus the energy (kWh) used for central own purpose.

kWh transmission losses is kWh netto production, minus the energy (kWh) used for substation transformer own purpose, minus the energy (kWh) sent to other PLN Unit and outside PLN, minus the energy (kWh) sent to Distribution.

kWh distribution losses is the energy (kWh) sent to Distribution, minus the energy (kWh) used for distribution substation transformer own purpose, minus the energy (kWh) sold.

1.5. SAIDI (*System Average Interruption Duration Index*) **)

$$\frac{\sum (\text{Duration of customers who are blackout} \times \text{Number of customers who are blackout})}{\text{Number of customers}}$$

1.6. SAIFI (*System Average Interruption Frequency Index*) **)

$$\frac{\sum (\text{Number of customers who are blackout})}{\text{Number of customers}}$$

**) Blackout at distribution lines which are experienced by customers, due to interruption or maintenance at generation as well as transmission lines (Circular of the PLN BOD).
(SE Direksi PLN No. SE.031.E/471/PST/1993).

1.7. SOD (*System Outage Duration*) :

$$\frac{\text{Interruption duration which cause blackout}}{100 \text{ kmc transmission lines}}$$

SOD (*System Outage Duration*) is a performance indicator of outage duration which cause blackout at services point of transmission lines, measured with hours per 100 kmc.

1.8. SOF (*System Outage Frequency*) : Number of interruption which cause blackout

100 kmc transmission lines

SOF (*System Outage Frequency*) is a performance indicator of outage number which cause blackout at services point of transmission lines, measured with times per 100 kmc.

2. Data grouping

2.1. Data on generation

In the data on Hydro (Hydro Power Plant/HPP) have been included the data on Mini/micro Hydro Power Plant (MHPP), i.e. hydro power plants with a generating capacity of 1,000 kW and less (Circular letter No. 006/PST/88).

2.2. Data on customers by tariff category

2.2.1. By type of customers

Residential group : i.e. the total of tariff categories S-1, R-1, R-2, and R-3

Business group : i.e. the total of tariff categories B-1, B-2, B-3, T, C and M.

Industrial group : i.e. the total of tariff categories I-1, I-2, I-3, and I-4.

Social group : i.e. total of tariff categories S-2, and S-3.

Government office building group : i.e. the total of tariff categories P-1 and P-2.

Public street lighting group : i.e. tariff categories P-3.

2.2.2. By type of voltage

Low Voltage is total of tariff categories S-1, S-2, R-1, R-2, R-3, B-1, B-2, I-1, I-2, P-1 and P-3.

Medium Voltage is total of tariff categories S-3, B-3, I-3, P-2, Traction (T) and C (Bulk).

High Voltage is tariff categories I-4.

Multipurpose is multipurpose tariff just for special electric power consumer with special demand of quality which could not be included to S, R, B, I, P, T (Traction) and C (Bulk) Category.

Explanation

3. Energy Sold

The energy sold to customer is the energy (kWh) sold to HV (high voltage), MV (medium voltage) and LV (low voltage) customers according to the total kWh, for which the bill is made (TUL III-09).

4. Data status

The year 2023 means one calendar year as from 1 January 2023 to 31 December 2023.

5. Abbreviations

Hydro	: Hydro Power Plant	kmc	: kilometer of circuit
Steam	: Steam Power Plant	MSCF	: 10 ³ Standard Cubic Foot (M=10 ³)
Gas Turbine	: Gas Turbine Power Plant	MMSCF	: 10 ⁶ Standard Cubic Foot (MM=10 ⁶)
Combined Cycle	: Combined Cycle Power Plant	MMBTU	: 10 ⁶ British Thermal Unit (MM=10 ⁶)
Diesel	: Diesel Power Plant	HSD	: High Speed Diesel Oil
Geothermal	: Geothermal Power Plant	IDO	: Intermediate Diesel Oil
Gas Engine	: Gas Engine Power Plant	MFO	: Marine Fuel Oil
Solar	: Solar Power Plant	SAIDI	: System Average Interruption Duration Index
Wind	: Wind Power Plant	SAIFI	: System Average Interruption Frequency Index
Mini Hydro	: Mini Hydro Power Plant	Dist.	: Distribution
Micro Hydro	: Micro Hydro Power Plant	Gov. Office Building	: Government Office Building
Biomass	: Biomass Power Plant	Publ. Street	: Public Street Lighting
VA	: volt-ampere	PJB	: Java Bali Generation Company
MVA	: mega-volt-ampere	SOD	: System Outage Duration
kW	: kilowatt	SOF	: System Outage Frequency
MW	: megawatt	n.a	: not available
kWh	: kilowatt-hour		
MWh	: megawatt-hour		
GWh	: gigawatt-hour		

British Thermal Unit (BTU) is the amount of heat needed to raise 1 pound of water with 1 degree Fahrenheit at a temperature of 60 degree Fahrenheit at an absolute pressure of 14.7 pound per square inch.

Standard Cubic Foot (SCF) is the amount of gas needed to fill a space of 1 cubic Foot with an absolute pressure of 14.7 pound per square inch at temperature of 60 degrees Fahrenheit in a dry condition.

1000 BTU Gas is Gas having a Gross Heating Value of 1,000 BTU per SCF.

Gross Heating Value is the amount of heat expressed in BTU units resulting from the combustion of 1 standard cubic foot of gas, at temperature of 60 degrees Fahrenheit and absolute pressure of 14.7 pounds per square inch, with air at the same temperature and pressure as the gas and after cooling of the combustion result at the initial temperature of the gas and air, the vapour formed in the combustion process is condensed in liquid form.

Preface	ii
Summary	iii
Explanation	v
Contents	x

Annual Data 2023

I. OPERATION

Electric Power Supply

Table 1 : Power Balance (MW)	1
Table 2 : Energy Balance	2
Table 3 : Load Factor, Capacity Factor and Demand Factor (%)	4

Operation Result

Table 4 : Number of Customers by Type of Customers	5
Table 5 : Connected Capacity by Type of Customers (MVA)	6
Table 6 : Energy Sold by Type of Customers (GWh)	7
Table 7 : Revenue by Type of Customers (million Rp)	8
Table 8 : Average Energy Sold by Customers (kWh)	9
Table 9 : Average of Electricity Tariff by Type of Customer (Rp/kWh)	10
Table 10 : Number of Customers by Type of Voltage	11
Table 11 : Connected Capacity by Type of Voltage (MVA)	12
Table 12 : Energy Sold by Type of Voltage (GWh)	13
Table 13 : Revenue by Type of Voltage (million Rp)	14
Table 14 : Number of Customers, Connected Capacity and Energy Consumption by Tariff Category	15
Table 15 : Electricity Waiting List	16
Table 16 : SAIDI and SAIFI	18
Table 17 : Number and Duration of Transmission Outages per 100 kmc	19
Table 18 : Number of Distribution Interruption per 100 kmc	20
Table 19 : Electrification Ratio and Energy Consumption per Capita	21

Generation

Table 20 : Number of Generating Units	22
Table 21 : National Installed Capacity (MW)	23
Table 22 : Rated Capacity (MW)	24
Table 23 : Energy Production by Type of Power Plant (GWh)	26
Table 24 : Consumption of Fuel	28
Table 25 : Unit Price of Fuel	29
Table 26 : Energy Production by Type of Fuel (GWh)	30
Table 27 : Captive Power	31

Transmission and Distribution

Table 28	: Length of Transmission Lines (kmc)	32
Table 29	: Length of Medium and Low Voltage Lines (kmc)	33
Table 30	: Number and Total Capacity of Substation Transformers	34
Table 31	: Number and Total Capacity of Distribution Substation Transformers	35

II. FINANCIAL

Table 32	: Balance Sheet (million Rp)	36
Table 33	: Profit and Loss (million Rp)	37
Table 34	: Fixed Asset and Depreciation (million Rp)	37
Table 35	: Accounts Receivable (million Rp)	38
Table 36	: Average Collection Rate	39
Table 37	: Generation Cost	40
Table 38	: Average Generation Cost per kWh	40
Table 39	: Financial Ratios	41

III. HUMAN RESOURCES

Table 40	: Number of Employees by Grade	42
Table 41	: Number of Employees by Education	43
Table 42	: Productivity of Employee	44
Graph 1	: Energy Sold by Type of Customers 2023 (GWh)	45
Graph 2	: Revenue 2023 (million Rp)	45
Graph 3	: Installed Capacity 2023 (MW)	46
Graph 4	: Energy Production 2023 (GWh)	47

Time Series Data

I. OPERATION

Table 43	: Load Factor, Capacity Factor and Demand Factor (%)	51
Table 44	: Number of Customer by Type of Customers	51
Table 45	: Connected Capacity by Type of Customers (MVA)	52
Table 46	: Energy Sold by Type of Customers (GWh)	52
Table 47	: Average Energy Sold by Type of Customers (kWh)	53
Table 48	: Revenue by Type of Customers (million Rp)	53
Table 49	: Average of Electricity Tariff by Type of Customer	54
Table 50	: Number of Customers by Type of Voltage	54
Table 51	: Energy Sold by Type of Voltage (GWh)	55
Table 52	: Revenue by Type of Voltage (million Rp)	55
Table 53	: Own Use and Energy Losses	56
Table 54	: Number of Generating Units	56
Table 55	: Installed Capacity (MW)	57
Table 56	: Rated Capacity (MW)	57
Table 57	: Energy Production (GWh)	58

Table 58	: Consumption of Fuel	58
Table 59	: Unit Price of Fuel	59
Table 60	: Length of Transmission Lines (kmc)	59
Table 61	: Length of Medium and Low Voltage Lines (kmc)	60

II. FINANCIAL

Table 62	: Balance Sheet (million Rp)	61
Table 63	: Profit and Loss (million Rp)	62
Table 64	: Fixed Asset and Depreciation (million Rp)	63
Table 65	: Accounts Receivable (million Rp)	63
Table 66	: Sales, Accounts Receivable and Average Collection Rate	63
Table 67	: Generation Cost (million Rp)	64
Table 68	: Average Generation Cost (Rp/kWh)	64
Table 69	: Financial Ratios	65
Graph 5	: Revenues (billion Rp)	66
Graph 6	: Energy Losses + RS (2015-2023)	67

End of Five Year Development Plan Data

Table 70	: Number of Customers	71
Table 71	: Average Growth Rate of Number of Customers per Year (%)	71
Table 72	: Connected Capacity (MVA)	71
Table 73	: Average Growth Rate of Connected Capacity per Year (%)	72
Table 74	: Energy Sold (GWh)	72
Table 75	: Average Growth Rate of Energy Sold per Year (%)	72
Table 76	: Energy Losses (%)	73
Table 77	: Installed Capacity (MW)	73
Table 78	: Average Growth Rate of Installed Capacity per Year (%)	73
Table 79	: Energy Production (GWh)	74
Table 80	: Average Growth Rate of Energy Production per Year (%)	74
Graph 7	: Installed Capacity (MW)	75
Graph 8	: Installed Capacity of National (MW)	75
Graph 9	: Energy Mix in 2019 - 2023	76
Graph 10	: Electrification Ratio (%)	77
Graph 11	: Basic Cost of Electricity Production and Average Selling Price (Rp/kWh)	77

Operational Region and Location of PLN Region Offices	80
PLN Region Offices and Subsidiaries Address	82

Note:

1. UIK SUM, UIK KAL, and UIK SUL are former UIK/UIKL power plants that belong to the Business Unit Holding (PT PLN (Persero)). Currently, data recording for these power plants is carried out by the Indonesia Power and Nusantara Power Subholdings due to the establishment of the Holding Subholding.
2. In 2023, there was an adjustment in the classification of installed Capacity for hydro power plant (PLTA), mini-hydro Power Plant (PLTM), and micro-hydro power plants (PLTMH):
 - a. Installed Capacity for PLTA is >10,000 kW
 - b. Installed Capacity for PLTM ranges from 1,000 kW to 10,000 kW
 - c. Installed Capacity for PLTMH is <1,000 kW



ANNUAL DATA
2023

01

Table 1 : Power Balance (MW)

2023

PLN Operational Unit/Province	Installed Capacity*)	Rated Capacity*)	Peak Load
UID Aceh	179.56	142.70	125.11
UID North Sumatera	186.44	185.52	185.88
UID West Sumatera	99.42	93.03	71.64
UID Riau and Archipelago	633.17	582.96	464.57
- Riau	478.39	453.35	384.06
- Riau Archipelago	154.78	129.60	80.51
UID South Sumatera, Jambi and Bengkulu	263.21	233.27	155.29
- South Sumatera	126.54	122.44	78.29
- Jambi	46.48	37.23	19.71
- Bengkulu	90.19	73.59	57.30
UIW Bangka Belitung	346.78	321.53	298.79
UID Lampung	46.48	42.70	17.76
UID West Kalimantan	108.02	88.15	45.57
UID South and Central Kalimantan	80.25	56.05	19.72
- South Kalimantan	17.73	12.69	2.94
- Central Kalimantan	62.53	43.36	16.77
UID East and North Kalimantan	76.80	52.88	30.02
UID North, Central Sulawesi, and Gorontalo	315.90	288.84	194.09
- North Sulawesi	70.77	64.57	26.94
- Central Sulawesi	223.94	203.42	149.53
- Gorontalo	21.18	20.85	17.63
UID South, Southeast and West Sulawesi	158.17	150.14	132.14
- South Sulawesi	117.14	115.23	108.70
- Southeast Sulawesi	39.01	33.18	23.44
- West Sulawesi	2.02	1.73	-
UIW Maluku and North Maluku	586.42	507.13	249.52
- Maluku	421.89	368.42	192.87
- North Maluku	164.53	138.70	56.65
UIW Papua and West Papua	691.92	606.71	460.38
- Papua	197.90	165.72	111.54
- West Papua	494.02	440.99	348.84
UID Bali	7.10	6.99	1.93
UIW West Nusa Tenggara	695.84	626.49	557.67
UIW East Nusa Tenggara	510.23	405.13	334.29
PT PLN Batam	843.37	761.93	698.67
UIP3B Sumatera	4,637.44	4,258.54	3,713.56
UIP3B Kalimantan	1,518.00	1,518.00	1,594.15
UIP3B Sulawesi	1,671.00	1,671.00	1,035.65
UIK Kalimantan	649.61	579.83	279.57
UIK Sulawesi	428.86	414.40	218.35
UIK Sumatera	776.22	706.61	341.50
PLN Indonesia Power - Kalimantan	992.47	796.25	649.53
PLN Indonesia Power - Sulawesi	312.81	264.47	261.47
PLN Indonesia Power - Sumatera	2,659.26	2,238.13	1,982.13
PLN Nusantara Power - Kalimantan	846.96	642.07	522.83
PLN Nusantara Power - Sulawesi	1,265.63	1,102.13	909.83
PLN Nusantara Power - Sumatera	3,496.36	2,794.41	2,451.10
PLN Nusantara Power - North Maluku	145.00	133.74	56.30
Outside Java	25,228.69	22,271.70	18,059.01
UID East Java	76.16	67.52	60.73
UID Central Java and Yogyakarta	40.02	34.74	32.07
- Central Java	39.24	34.07	31.62
- D.I. Yogyakarta	0.78	0.67	0.45
UID West Java	150.43	150.43	95.88
UID Banten	16.82	16.82	13.01
UID Jakarta Raya	0.40	0.35	0.14
PLN Indonesia Power - Jawabali	16,019.35	14,605.28	13,036.75
PLN Nusantara Power - Jawabali	12,316.90	11,183.32	9,341.86
UIP2B	16,216.13	16,216.13	15,119.45
UIK Tanjung Jati B	2,811.40	2,643.80	2,523.58
Java	47,647.61	44,918.40	40,223.47
UIP Nusa Tenggara	100.00	-	-
Generation Project	100.00	-	-
Indonesia	72,976.30	67,190.10	58,282.48

*) PLN's Power Plant, Rented and IPP

Table 2 : Energy Balance

PLN Operational Unit/Province	Purchase from Outside PLN	Project (GWh)	Received from Other Unit (GWh)	Own Production (GWh)	Rented (GWh)	Own Use Central		Netto Production (GWh)	Own Use Sub-station Transformer	
						(GWh)	(%)		(GWh)	(%)
UID Aceh	115.92	-	3,628.17	108.02	42.99	1.67	1.11	3,893.42	-	-
UID North Sumatera	1,096.75	-	13,585.07	5.31	-	-	-	14,687.13	-	-
UID West Sumatera	301.64	-	4,068.95	23.05	-	0.75	3.25	4,392.89	-	-
UID Riau and Riau Archipelago	2,211.02	-	7,019.52	504.81	300.84	15.33	1.90	10,020.86	0.72	0.01
UID South Sumatera, Jambi and Bengkulu	886.08	-	10,745.25	17.27	134.70	-	-	11,783.30	-	-
UIW Bangka Belitung	293.27	-	606.43	828.98	37.18	73.07	8.44	1,692.79	1.45	0.09
UID Lampung	67.43	-	6,591.54	1.91	-	-	0.07	6,660.88	-	-
UID West Kalimantan	43.84	-	3,480.47	92.60	91.39	2.57	1.40	3,705.72	-	-
UID South and Central Kalimantan	65.90	-	5,758.49	56.47	-	0.91	1.62	5,879.95	-	-
UID East and North Kalimantan	134.48	-	5,193.32	49.97	0.34	1.08	2.15	5,377.02	-	-
UID North, Central Sulawesi, and Gorontalo	317.59	-	3,936.52	251.91	393.64	7.63	1.18	4,892.03	-	-
UID South, Southeast and West Sulawesi	411.63	-	10,712.89	38.25	18.63	1.17	2.05	11,180.23	-	-
UIW Maluku and North Maluku	21.06	-	51.17	869.63	636.15	42.79	2.84	1,535.23	0.65	0.04
UIW Papua and West Papua	700.36	-	-	1,045.15	506.47	51.58	3.32	2,200.40	1.05	0.05
UID Bali	13.49	-	6,632.90	-	-	-	-	6,646.39	-	-
UIW West Nusa Tenggara	340.62	-	-	2,288.61	310.34	142.32	5.48	2,797.25	1.81	0.06
UIW East Nusa Tenggara	245.84	27.46	-	801.84	451.28	56.36	4.50	1,470.07	1.56	0.11
PT PLN Batam	2,569.37	-	-	1,096.01	322.44	31.90	2.25	3,955.92	1.47	0.04
UIP3B Sumatera	19,349.58	-	27,335.87	-	-	-	-	46,685.45	34.32	0.07
UIP3B Kalimantan	7,807.19	31.99	5,106.65	-	-	-	-	12,945.83	11.04	0.09
UIP3B Sulawesi	7,529.25	-	6,886.10	-	-	-	-	14,415.35	11.50	0.08
UIK Kalimantan	19.95	-	-	349.72	655.19	18.68	1.86	1,006.18	-	-
UIK Sulawesi	-	-	-	1,082.89	312.14	95.54	6.85	1,299.50	-	-
UIK Sumatera	489.23	-	-	-	161.65	-	-	650.88	-	-
PLN Indonesia Power - Kalimantan	-	-	-	3,539.90	-	320.19	9.05	3,219.71	-	-
PLN Indonesia Power - Sulawesi	-	-	-	1,395.86	-	117.40	8.41	1,278.46	-	-
PLN Indonesia Power - Sumatera	-	-	-	11,588.93	-	856.63	7.39	10,732.30	-	-
PLN Nusantara Power - Kalimantan	-	-	-	2,846.75	-	288.73	10.14	2,558.02	-	-
PLN Nusantara Power - Sulawesi	-	-	-	4,921.05	-	293.82	5.97	4,627.23	-	-
PLN Nusantara Power - Sumatera	-	-	-	14,467.05	-	912.51	6.31	13,554.54	-	-
PLN Nusantara Power - North Maluku	-	-	-	51.17	-	-	-	51.17	-	-
Outside Java	45,031.50	59.45	-	48,323.10	4,375.37	3,332.64	6.32	94,456.78	65.57	0.07
UID East Java	51.85	-	44,420.35	122.54	-	2.31	1.89	44,592.42	-	-
UID Central Java and Yogyakarta	109.53	-	34,029.19	0.42	-	-	-	34,139.14	-	-
UID West Java	438.96	-	62,028.99	-	-	-	-	62,467.95	-	-
UID Banten	45.97	-	29,950.93	1.03	-	-	-	29,997.93	-	-
UID Jakarta Raya	-	-	40,123.18	0.24	-	-	-	40,123.43	-	-
PLN Indonesia Power - Jawabali	-	-	(3.72)	67,393.08	-	3,240.79	4.81	64,148.57	-	-
PLN Nusantara Power - Jawabali	-	0.08	(3.43)	44,560.05	-	2,172.48	4.88	42,384.22	-	-
UIP2B	93,079.85	522.53	124,257.77	-	-	-	-	217,860.15	111.06	0.05
UIK Tanjung Jati B	-	-	20.49	19,205.06	-	1,249.79	6.51	17,975.76	-	-
Java	93,726.17	522.61	-	131,282.41	-	6,665.37	5.08	218,865.82	111.06	0.05
Indonesia	138,757.67	582.06	-	179,605.52	4,375.37	9,998.01	5.43	313,322.61	176.63	0.06

Transmission Losses		Send Other Unit	Send to Distribution (GWh)	Own Use						Energy Losses & Own Use		Energy Consumption	
				Distr. Substation		Distr. Losses		Energy Losses					
(GWh)	(%)			(GWh)	(%)	(GWh)	(%)	(GWh)	(%)	(GWh)	(%)	(GWh)	(%)
-	-	126.37	3,767.05	45.53	1.17	313.53	8.32	313.53	8.05	359.06	9.22	3,407.99	87.53
-	-	1,103.02	13,584.10	106.91	0.73	1,195.10	8.80	1,195.10	8.14	1,302.02	8.86	12,282.09	83.62
-	-	376.48	4,016.41	28.95	0.66	226.01	5.63	226.01	5.14	254.97	5.80	3,761.45	85.63
10.59	0.11	187.63	9,821.92	56.84	0.57	637.16	6.49	647.75	6.46	704.59	7.03	9,127.92	91.09
-	-	859.94	10,923.36	96.18	0.82	1,184.52	10.84	1,184.52	10.05	1,280.70	10.87	9,642.66	81.83
19.71	1.16	0.06	1,671.58	10.01	0.59	105.20	6.29	124.91	7.38	134.91	7.97	1,556.43	91.94
-	-	97.42	6,563.46	54.10	0.81	828.48	12.62	828.48	12.44	882.59	13.25	5,680.87	85.29
-	-	51.25	3,654.47	27.32	0.74	360.46	9.86	360.46	9.73	387.78	10.46	3,266.68	88.15
-	-	26.65	5,853.30	43.27	0.74	409.16	6.99	409.16	6.96	452.43	7.69	5,400.87	91.85
-	-	22.68	5,354.34	36.12	0.67	344.24	6.43	344.24	6.40	380.36	7.07	4,973.98	92.50
-	-	40.97	4,851.06	32.06	0.66	466.96	9.63	466.96	9.55	499.02	10.20	4,352.04	88.96
-	-	187.25	10,992.98	59.42	0.53	661.69	6.02	661.69	5.92	721.11	6.45	10,271.87	91.88
1.52	0.10	-	1,533.06	12.66	0.82	115.48	7.53	117.00	7.62	129.66	8.45	1,404.91	91.51
2.58	0.12	-	2,196.77	18.60	0.85	191.70	8.73	194.28	8.83	212.88	9.67	1,986.48	90.28
-	-	-	6,646.39	32.01	0.48	348.00	5.24	348.00	5.24	380.01	5.72	6,266.38	94.28
27.51	0.98	2.41	2,765.52	34.50	1.23	196.58	7.11	224.08	8.01	258.58	9.24	2,534.44	90.60
27.10	1.84	-	1,441.42	13.07	0.89	118.77	8.24	145.87	9.92	158.94	10.81	1,309.58	89.08
6.24	0.16	627.35	3,320.85	4.31	0.11	106.74	3.21	112.98	2.86	117.30	2.96	3,209.79	81.14
1,378.14	2.95	45,272.98	-	-	-	-	-	1,378.14	2.95	1,378.14	2.95	-	-
265.60	2.05	12,669.19	-	-	-	-	-	265.60	2.05	265.60	2.05	-	-
290.12	2.01	14,113.73	-	-	-	-	-	290.12	2.01	290.12	2.01	-	-
-	-	1,006.18	-	-	-	-	-	-	-	-	-	-	-
-	-	1,299.50	-	-	-	-	-	-	-	-	-	-	-
-	-	650.88	-	-	-	-	-	-	-	-	-	-	-
-	-	3,219.71	-	-	-	-	-	-	-	-	-	-	-
-	-	1,278.46	-	-	-	-	-	-	-	-	-	-	-
-	-	10,732.30	-	-	-	-	-	-	-	-	-	-	-
-	-	2,558.02	-	-	-	-	-	-	-	-	-	-	-
-	-	4,627.23	-	-	-	-	-	-	-	-	-	-	-
-	-	13,554.54	-	-	-	-	-	-	-	-	-	-	-
-	-	51.17	-	-	-	-	-	-	-	-	-	-	-
2,029.11	2.15	-	98,958.03	711.87	0.75	7,809.80	7.89	9,838.91	10.42	10,550.78	11.17	90,436.43	95.74
-	-	-	44,592.42	328.53	0.74	2,904.13	6.51	2,904.13	6.51	3,232.66	7.25	41,359.76	92.75
-	-	0.40	34,138.74	138.41	0.41	2,378.01	6.97	2,378.01	6.97	2,516.42	7.37	31,622.32	92.63
-	-	454.87	62,013.09	338.02	0.54	3,883.06	6.26	3,883.06	6.22	4,221.08	6.76	57,792.01	92.51
-	-	1,859.35	28,138.58	150.62	0.50	1,317.40	4.68	1,317.40	4.39	1,468.02	4.89	26,670.56	88.91
-	-	1,229.11	38,894.31	251.90	0.63	2,276.75	5.85	2,276.75	5.67	2,528.64	6.30	36,365.67	90.63
-	-	64,148.57	-	-	-	-	-	-	-	-	-	-	-
-	-	42,384.22	-	-	-	-	-	-	-	-	-	-	-
4,255.62	1.95	213,493.46	-	-	-	-	-	4,255.62	1.95	4,255.62	1.95	-	-
-	-	17,975.76	-	-	-	-	-	-	-	-	-	-	-
4,255.62	1.94	-	207,777.15	1,207.47	0.55	12,759.35	6.14	17,014.97	7.77	18,222.44	8.33	193,810.32	88.55
6,284.73	2.01	126.06*)	306,735.18	1,919.35	0.61	20,569.14	6.71	26,853.87	8.57	28,773.22	9.18	284,246.75	90.72

*) Included Non PLN

Table 3 : Load Factor, Capacity Factor and Demand Factor**2023**

PLN Operational Unit/ Province	Load Factor (%)	Capacity Factor (%)	Demand Factor (%)
UID Aceh	24.36	16.97	7.19
UID North Sumatera	67.68	67.48	3.10
UID West Sumatera	51.74	37.28	3.67
UID Riau and Riau Archipelago	74.13	54.39	11.76
UID South Sumatera, Jambi, and Bengkulu	76.31	45.02	3.03
UIW Bangka Belitung	44.30	38.17	32.70
UID Lampung	44.57	17.03	0.60
UID West Kalimantan	57.07	24.08	2.47
UID South and Central Kalimantan	70.85	17.41	0.71
UID East and North Kalimantan	70.28	27.47	1.16
UID North, Central Sulawesi and Gorontalo	56.65	34.80	7.89
UID South, Southeast and West Sulawesi	40.48	33.81	2.49
UIW Maluku and North Maluku	69.85	29.72	26.37
UIW Papua and West Papua	55.84	37.15	34.89
UID Bali	79.73	21.69	0.05
UIW West Nusa Tenggara	60.17	48.22	32.20
UIW East Nusa Tenggara	51.19	33.54	26.26
PT PLN Batam	65.16	53.98	47.68
UIP3B Sumatera	59.48	47.63	-
UIP3B Kalimantan	55.91	58.71	-
UIP3B Sulawesi	82.99	51.44	-
UIK Kalimantan	41.85	18.01	-
UIK Sulawesi	72.93	37.13	-
UIK Sumatera	21.76	9.57	-
PLN Indonesia Power - Kalimantan	62.21	40.72	-
PLN Indonesia Power - Sulawesi	60.94	50.94	-
PLN Indonesia Power - Sumatera	66.74	49.75	-
PLN Nusantara Power - Kalimantan	62.16	38.37	-
PLN Nusantara Power - Sulawesi	61.74	44.39	-
PLN Nusantara Power - Sumatera	67.38	47.23	-
PLN Nusantara Power - Maluku Utara	10.37	4.03	-
Outside Java	61.78	44.22	37.64
UID East Java	32.78	26.14	0.30
UID Central Java and Yogyakarta	39.14	31.36	0.20
UID West Java	52.26	33.31	0.38
UID Banten	41.25	31.89	0.12
UID Jakarta Raya	19.41	6.92	-
PLN Indonesia Power - Jawabali	59.01	48.02	-
PLN Nusantara Power - Jawabali	54.45	41.30	-
UIP2B	70.28	65.52	-
UIK Tanjung Jati B	86.88	77.98	-
Java	63.86	53.91	45.08
Generation Project	-	66.44	-
Indonesia	63.33	50.58	42.48

Table 4 : Number of Customers by Type of Customers
2023

PLN Operational Unit/ Province	Residential	Indus- trial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total	(%)
UID Aceh	1,483,479	4,235	165,516	55,282	12,904	2,944	1,724,360	1.93
UID North Sumatera	4,185,942	5,114	159,835	82,040	11,482	18,308	4,462,721	5.01
UID West Sumatera	1,446,887	765	192,468	41,426	6,906	4,727	1,693,179	1.90
UID Riau and Riau Archipelago	2,230,728	909	209,833	51,743	9,715	6,851	2,509,779	2.82
- Riau	1,936,633	763	179,138	45,086	7,130	5,096	2,173,846	2.44
- Riau Archipelago	294,095	146	30,695	6,657	2,585	1,755	335,933	0.38
UID South Sumatera, Jambi and Bengkulu	4,041,827	3,736	143,143	82,505	15,746	13,957	4,300,914	4.82
- South Sumatera	2,356,358	2,725	65,486	44,448	7,626	7,962	2,484,605	2.79
- Jambi	1,067,285	829	56,581	25,644	4,837	4,864	1,160,040	1.30
- Bengkulu	618,184	182	21,076	12,413	3,283	1,131	656,269	0.74
UIW Bangka Belitung	500,396	817	40,374	9,558	3,526	3,343	558,014	0.63
UID Lampung	2,441,987	8,912	108,882	67,355	4,978	3,121	2,635,235	2.96
UID West Kalimantan	1,394,593	703	83,795	30,677	5,780	4,486	1,520,034	1.70
UID South and Central Kalimantan	2,057,435	1,161	146,821	66,276	11,957	6,830	2,290,480	2.57
- South Kalimantan	1,341,112	823	75,597	44,219	6,366	4,905	1,473,022	1.65
- Central Kalimantan	716,323	338	71,224	22,057	5,591	1,925	817,458	0.92
UID East and North Kalimantan	1,353,823	699	94,423	30,200	7,390	4,034	1,490,569	1.67
UID North, Central Sulawesi and Gorontalo	1,955,938	1,157	67,621	58,434	13,587	3,466	2,100,203	2.36
- North Sulawesi	759,766	541	28,889	17,359	6,007	1,719	814,281	0.91
- Central Sulawesi	867,911	436	28,178	32,930	5,171	1,168	935,794	1.05
- Gorontalo	328,261	180	10,554	8,145	2,409	579	350,128	0.39
UID South, Southeast and West Sulawesi	3,638,718	5,093	156,629	71,941	18,833	6,607	3,897,821	4.37
- South Sulawesi	2,568,432	4,178	113,574	46,825	10,518	4,531	2,748,058	3.08
- Southeast Sulawesi	737,591	688	30,363	16,895	6,328	1,780	793,645	0.89
- West Sulawesi	332,695	227	12,692	8,221	1,987	296	356,118	0.40
UIW Maluku and North Maluku	740,943	161	25,824	18,004	6,307	1,424	792,663	0.89
- Maluku	306,812	85	11,448	6,713	2,572	364	327,994	0.37
- North Maluku	434,131	76	14,376	11,291	3,735	1,060	464,669	0.52
UIW Papua and West Papua	756,557	167	50,353	19,912	8,125	1,788	836,902	0.94
- Papua	497,980	119	33,432	12,747	4,708	985	549,971	0.62
- West Papua	258,577	48	16,921	7,165	3,417	803	286,931	0.32
UID Bali	1,398,359	1,345	246,440	44,689	4,397	6,282	1,701,512	1.91
UIW West Nusa Tenggara	1,818,269	641	42,078	33,152	4,917	3,252	1,902,309	2.13
UIW East Nusa Tenggara	1,120,916	409	36,583	25,229	8,189	1,166	1,192,492	1.34
PT PLN Batam	310,362	397	51,933	4,335	464	1,248	368,739	0.41
Outside Java	32,877,159	36,421	2,022,551	792,758	155,203	93,834	35,977,926	40.36
UID East Java	12,385,526	121,755	746,319	369,734	25,011	72,762	13,721,107	15.39
UID Central Java and Yogyakarta	12,183,369	17,883	652,659	345,005	30,735	66,901	13,296,552	14.91
- Central Java	10,833,630	17,033	579,526	310,234	26,710	53,588	11,820,721	13.26
- D.I. Yogyakarta	1,349,739	850	73,133	34,771	4,025	13,313	1,475,831	1.66
UID West Java	15,593,849	17,645	841,546	363,088	19,897	101,825	16,937,850	19.00
UID Banten	3,664,711	7,322	236,560	72,864	4,341	8,968	3,994,766	4.48
UID Jakarta Raya	4,846,734	5,744	306,506	49,629	7,087	9,377	5,225,077	5.86
Java	48,674,189	170,349	2,783,590	1,200,320	87,071	259,833	53,175,352	59.64
Indonesia	81,551,348	206,770	4,806,141	1,993,078	242,274	353,667	89,153,278	100.00
(%)	91.47	0.23	5.39	2.24	0.27	0.40	100.00	

Table 5 : Connected Capacity by Type of Customers (MVA)**2023**

PLN Operational Unit/ Province	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total	(%)
UID Aceh	1,248.88	178.43	440.91	175.27	92.63	37.74	2,173.86	1.27
UID North Sumatera	4,205.01	1,431.76	1,264.00	361.78	116.82	104.03	7,483.40	4.36
UID West Sumatera	1,384.72	295.83	524.07	143.45	66.87	24.13	2,439.06	1.42
UID Riau and Riau Archipelago	2,757.43	716.49	1,034.24	250.50	130.27	49.89	4,938.84	2.88
- Riau	2,337.86	694.35	838.73	212.51	92.24	39.92	4,215.61	2.46
- Riau Archipelago	419.57	22.14	195.52	37.99	38.03	9.98	723.23	0.42
UID South Sumatera, Jambi and Bengkulu	4,225.88	642.92	1,015.58	297.59	156.38	64.27	6,402.61	3.73
- South Sumatera	2,411.20	474.35	625.81	177.80	90.72	39.22	3,819.10	2.23
- Jambi	1,235.35	114.55	286.82	82.40	40.66	19.43	1,779.22	1.04
- Bengkulu	579.32	54.02	102.95	37.39	25.00	5.62	804.30	0.47
UIW Bangka Belitung	623.93	207.33	207.63	58.65	34.35	10.17	1,142.07	0.67
UID Lampung	2,311.72	614.32	528.90	183.22	58.20	23.66	3,720.02	2.17
UID West Kalimantan	1,468.16	154.93	461.90	128.80	68.84	21.36	2,303.99	1.34
UID South and Central Kalimantan	1,997.10	441.13	655.56	206.86	119.98	37.28	3,457.91	2.02
- South Kalimantan	1,236.15	359.32	417.08	134.44	69.53	26.68	2,243.20	1.31
- Central Kalimantan	760.94	81.81	238.48	72.42	50.45	10.61	1,214.71	0.71
UID East and North Kalimantan	1,784.19	351.27	749.87	179.32	154.99	22.83	3,242.48	1.89
UID North, Central Sulawesi and Gorontalo	1,897.41	310.86	533.90	183.82	123.73	25.43	3,075.16	1.79
- North Sulawesi	784.16	166.46	301.43	83.14	45.94	10.92	1,392.06	0.81
- Central Sulawesi	827.10	83.98	165.36	72.15	47.61	9.87	1,206.07	0.70
- Gorontalo	286.14	60.42	67.11	28.53	30.18	4.64	477.03	0.28
UID South, Southeast and West Sulawesi	3,900.55	1,058.95	1,063.85	369.33	182.51	60.81	6,636.00	3.87
- South Sulawesi	2,720.53	952.42	838.27	279.04	116.80	47.83	4,954.88	2.89
- Southeast Sulawesi	822.15	77.87	173.97	63.06	44.37	10.20	1,191.63	0.69
- West Sulawesi	357.87	28.67	51.61	27.23	21.34	2.78	489.49	0.29
UIW Maluku dan Maluku Utara	777.99	92.40	183.56	62.94	59.31	6.77	1,182.96	0.69
- Maluku	330.24	5.60	98.03	33.17	32.97	2.39	502.39	0.29
- Maluku Utara	447.75	86.80	85.53	29.77	26.34	4.38	680.57	0.40
UIW Papua and West Papua	1,037.06	21.19	346.42	107.63	129.01	8.21	1,649.53	0.96
- Papua	692.53	9.68	230.63	69.00	81.14	5.96	1,088.95	0.63
- West Papua	344.53	11.51	115.78	38.63	47.86	2.25	560.58	0.33
UID Bali	2,209.14	119.21	1,899.89	194.25	79.86	34.39	4,536.74	2.65
UIW West Nusa Tenggara	1,534.82	135.01	338.06	96.91	43.17	16.84	2,164.81	1.26
UIW East Nusa Tenggara	1,161.77	39.08	229.82	97.13	56.59	6.99	1,591.38	0.93
PT PLN Batam	649.42	428.04	648.34	60.83	34.30	10.85	1,831.77	1.07
Outside Java	35,175.18	7,239.17	12,126.50	3,158.27	1,707.80	565.67	59,972.59	34.97
UID East Java	11,192.27	7,658.86	4,281.16	1,230.92	373.47	256.42	24,993.10	14.57
UID Central Java and Yogyakarta	10,425.74	3,927.20	3,528.06	1,213.45	331.91	208.33	19,634.69	11.45
- Central Java	8,982.08	3,789.72	2,956.50	993.46	265.06	180.33	17,167.15	10.01
- D.I. Yogyakarta	1,443.66	137.48	571.56	219.99	66.85	28.00	2,467.54	1.44
UID West Java	15,108.87	9,443.21	5,539.39	1,123.65	438.24	154.28	31,807.64	18.55
UID Banten	4,019.17	6,614.14	2,341.27	300.36	139.99	50.78	13,465.69	7.85
UID Jakarta Raya	9,397.64	1,815.54	8,244.62	1,040.02	997.73	139.17	21,634.72	12.61
Java	50,143.67	29,458.94	23,934.50	4,908.39	2,281.34	808.99	111,535.83	65.03
Indonesia	85,318.86	36,698.11	36,060.99	8,066.67	3,989.14	1,374.66	171,508.42	100.00
(%)	49.75	21.40	21.03	4.70	2.33	0.80	100.00	

Table 6 : Energy Sold by Type of Customers (GWh)
2023

PLN Operational Unit/ Province	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total	(%)
UID Aceh	1,986.67	339.79	631.21	251.10	115.55	133.98	3,458.30	1.20
UID North Sumatera	6,187.34	3,137.13	1,992.01	576.89	158.68	420.80	12,472.84	4.32
UID West Sumatera	1,837.36	839.60	730.29	217.24	86.04	100.31	3,810.84	1.32
UID Riau and Riau Archipelago	3,665.58	3,219.97	1,683.34	342.45	162.67	138.15	9,212.16	3.19
- Riau	3,142.80	3,180.60	1,358.50	296.71	119.24	114.71	8,212.56	2.85
- Riau Archipelago	522.77	39.37	324.84	45.74	43.43	23.45	999.60	0.35
UID South Sumatera, Jambi and Bengkulu	5,801.19	1,375.90	1,789.46	430.20	210.40	198.49	9,805.65	3.40
- South Sumatera	3,494.16	1,110.18	1,140.58	262.06	123.84	147.68	6,278.50	2.18
- Jambi	1,501.59	182.49	473.90	116.75	54.12	42.33	2,371.18	0.82
- Bengkulu	805.45	83.24	174.98	51.39	32.44	8.48	1,155.97	0.40
UIW Bangka Belitung	820.81	431.14	249.42	61.27	38.18	9.99	1,610.81	0.56
UID Lampung	3,239.05	1,194.64	854.76	267.07	76.91	129.48	5,761.91	2.00
UID West Kalimantan	2,054.90	266.91	692.01	159.76	87.34	47.67	3,308.59	1.15
UID South and Central Kalimantan	3,035.63	939.91	1,032.43	267.97	160.03	88.98	5,524.95	1.92
- South Kalimantan	1,950.32	747.47	662.18	176.53	92.01	65.37	3,693.87	1.28
- Central Kalimantan	1,085.32	192.44	370.25	91.44	68.02	23.61	1,831.08	0.63
UID East and North Kalimantan	2,723.69	616.36	1,233.09	244.96	196.61	52.20	5,066.92	1.76
UID North, Central Sulawesi and Gorontalo	2,517.65	631.10	823.05	228.97	157.77	81.98	4,440.52	1.54
- North Sulawesi	1,010.27	417.45	468.94	105.61	54.44	38.67	2,095.38	0.73
- Central Sulawesi	1,059.72	121.86	242.85	83.53	62.58	32.38	1,602.92	0.56
- Gorontalo	447.65	91.79	111.26	39.83	40.75	10.93	742.22	0.26
UID South, Southeast and West Sulawesi	4,722.79	3,138.99	1,689.34	462.61	246.20	159.39	10,419.32	3.61
- North Sulawesi	3,524.89	3,008.86	1,352.63	370.64	170.71	130.31	8,558.03	2.97
- Central Sulawesi	861.59	83.06	261.49	63.77	51.47	21.56	1,342.95	0.47
- North Maluku	336.31	47.08	75.22	28.19	24.02	7.52	518.33	0.18
UIW Maluku and North Maluku	875.04	297.55	291.10	75.00	94.88	18.52	1,652.08	0.57
- Maluku	367.39	12.08	155.26	38.53	52.49	7.82	633.56	0.22
- North Maluku	507.65	285.47	135.84	36.47	42.39	10.70	1,018.52	0.35
UIW Papua and West Papua	1,187.92	24.23	503.10	126.67	149.81	18.65	2,010.38	0.70
- Papua	794.03	11.83	339.33	85.50	99.30	12.40	1,342.39	0.47
- West Papua	393.89	12.40	163.77	41.16	50.51	6.25	667.98	0.23
UID Bali	2,738.18	207.62	3,033.84	210.03	101.77	63.09	6,354.53	2.20
UIW West Nusa Tenggara	1,608.71	238.93	492.64	125.64	51.72	54.96	2,572.60	0.89
UIW East Nusa Tenggara	808.83	43.19	316.24	92.72	54.13	18.15	1,333.25	0.46
PT PLN Batam	1,001.20	963.06	1,097.16	90.17	44.81	13.39	3,209.79	1.11
Outside Java	46,812.52	17,906.03	19,134.47	4,230.72	2,193.51	1,748.19	92,025.44	31.91
UID East Java	16,004.06	17,166.79	5,932.68	1,716.78	475.59	590.40	41,886.30	14.52
UID Central Java and Yogyakarta	15,548.24	8,677.19	5,064.91	1,746.51	405.14	553.99	31,995.98	11.09
- Central Java	13,620.27	8,408.15	4,170.67	1,418.82	324.66	489.18	28,431.75	9.86
- D.I. Yogyakarta	1,927.97	269.05	894.24	327.69	80.48	64.81	3,564.23	1.24
UID West Java	21,854.79	25,026.44	9,013.71	1,679.84	560.75	428.79	58,564.31	20.30
UID Banten	6,475.33	15,814.03	3,964.60	463.42	167.91	86.12	26,971.40	9.35
UID Jakarta Raya	15,644.75	3,997.21	14,001.63	1,658.84	1,482.22	207.71	36,992.35	12.83
Java	75,527.17	70,681.65	37,977.53	7,265.39	3,091.60	1,867.00	196,410.34	68.09
Indonesia	122,339.69	88,587.68	57,112.00	11,496.10	5,285.12	3,615.19	288,435.78	100.00
(%)	42.41	30.71	19.80	3.99	1.83	1.25	100.00	

Table 7 : Revenue by Type of Customers (million Rp)

2023

PLN Operational Unit/ Province	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total	(%)
UID Aceh	1,815,455.58	389,041.47	752,299.88	199,103.42	183,751.88	227,739.06	3,567,391.30	1.07
UID North Sumatera	6,846,704.07	3,554,044.49	2,587,899.80	463,660.55	250,947.00	715,186.63	14,418,442.53	4.33
UID West Sumatera	2,025,752.47	882,660.35	880,041.23	176,728.88	137,722.72	170,821.19	4,273,726.82	1.28
UID Riau and Riau Archipelago	4,802,461.42	1,827,896.38	2,094,372.21	293,236.91	262,000.23	234,865.13	9,514,832.27	2.85
- Riau	4,074,931.75	1,784,157.09	1,685,671.79	254,176.05	192,172.77	195,018.11	8,186,127.56	2.46
- Riau Archipelago	727,529.67	43,739.30	408,700.42	39,060.85	69,827.46	39,847.02	1,328,704.71	0.40
UID South Sumatera, Jambi and Bengkulu	6,762,418.55	1,533,974.00	2,297,823.75	344,977.25	333,063.84	342,114.03	11,614,371.41	3.48
- South Sumatera	3,995,638.67	1,232,598.21	1,482,251.00	215,354.36	196,076.98	254,807.59	7,376,726.80	2.21
- Jambi	1,897,551.54	205,564.80	592,098.50	89,654.14	85,152.56	72,846.30	2,942,867.84	0.88
- Bengkulu	869,228.34	95,810.99	223,474.25	39,968.75	51,834.30	14,460.15	1,294,776.77	0.39
UIW Bangka Belitung	1,098,218.26	510,651.42	320,910.32	54,154.43	61,440.98	16,980.95	2,062,356.35	0.62
UID Lampung	3,306,460.60	1,354,754.13	1,063,780.91	206,954.89	122,402.69	224,426.22	6,278,779.44	1.88
UID West Kalimantan	2,321,054.95	306,405.95	876,612.63	129,201.54	139,664.08	81,024.94	3,853,964.09	1.16
UID South and Central Kalimantan	3,453,476.83	1,056,772.65	1,293,853.41	211,232.44	255,446.66	151,464.24	6,422,246.23	1.93
- South Kalimantan	2,137,165.18	832,470.40	846,332.60	139,821.64	147,215.27	111,171.15	4,214,176.23	1.26
- Central Kalimantan	1,316,311.65	224,302.26	447,520.81	71,410.79	108,231.40	40,293.10	2,208,070.00	0.66
UID East and North Kalimantan	3,656,826.85	712,101.78	1,603,845.67	206,710.37	313,073.05	88,755.09	6,581,312.80	1.97
UID North, Central Sulawesi and Gorontalo	2,696,036.59	710,936.13	1,076,551.82	182,972.44	250,613.11	139,299.81	5,056,409.89	1.52
- North Sulawesi	1,099,008.89	466,191.66	611,908.18	88,353.09	87,003.22	65,719.88	2,418,184.91	0.73
- Central Sulawesi	1,155,307.65	142,366.88	314,174.48	63,442.70	99,062.09	55,004.77	1,829,358.57	0.55
- Gorontalo	441,720.05	102,377.59	150,469.16	31,176.65	64,547.80	18,575.17	808,866.40	0.24
UID South, Southeast and West Sulawesi	5,426,318.57	3,227,155.38	2,191,905.83	390,105.78	390,045.05	270,933.91	11,896,464.51	3.57
- South Sulawesi	4,025,759.38	3,073,440.46	1,757,597.71	313,765.64	271,514.01	221,482.04	9,663,559.24	2.90
- Southeast Sulawesi	1,009,013.95	100,166.44	338,895.07	53,025.87	80,506.77	36,678.38	1,618,286.48	0.49
- West Sulawesi	391,545.24	53,548.48	95,413.05	23,314.27	38,024.27	12,773.48	614,618.80	0.18
UIW Maluku and North Maluku	1,066,935.05	222,656.28	388,733.19	60,133.08	152,523.54	31,474.24	1,922,455.38	0.58
- Maluku	449,705.60	13,570.01	205,629.23	32,222.59	84,541.99	13,289.81	798,959.23	0.24
- North Maluku	617,229.45	209,086.27	183,103.96	27,910.49	67,981.55	18,184.43	1,123,496.15	0.34
UIW Papua and West Papua	1,636,745.38	28,231.21	638,883.76	105,075.67	238,910.03	31,732.14	2,679,578.18	0.80
- Papua	1,100,066.44	13,374.56	429,557.17	70,941.57	157,242.68	21,102.45	1,792,284.87	0.54
- Papua Barat	536,678.94	14,856.65	209,326.58	34,134.09	81,667.35	10,629.69	887,293.31	0.27
UID Bali	3,899,228.34	231,698.73	3,886,905.33	181,027.92	165,709.25	106,804.82	8,471,374.39	2.54
UIW West Nusa Tenggara	1,427,903.37	272,524.55	653,150.98	99,168.94	81,501.58	93,149.45	2,627,398.86	0.79
UIW East Nusa Tenggara	968,640.57	51,545.40	416,096.87	79,954.17	84,857.87	30,842.64	1,631,937.52	0.49
PT PLN Batam	1,435,414.59	1,243,265.12	1,670,368.61	98,934.78	87,406.91	29,346.20	4,564,736.21	1.37
Outside Java	54,646,052.04	18,116,315.40	24,694,036.19	3,483,333.45	3,511,080.44	2,986,960.67	107,437,778.18	32.24
UID East Java	16,607,975.54	18,692,897.70	7,575,815.13	1,387,591.50	752,920.38	1,004,061.78	46,021,262.01	13.81
UID Central Java and Yogyakarta	15,035,109.28	9,582,129.32	6,423,625.61	1,441,602.46	634,260.25	942,968.83	34,059,695.73	10.22
- Central Java	12,808,078.66	9,283,136.89	5,302,731.77	1,158,794.79	507,541.86	831,599.82	29,891,883.77	8.97
- D.I. Yogyakarta	2,227,030.62	298,992.42	1,120,893.85	282,807.67	126,718.39	111,369.01	4,167,811.96	1.25
UID West Java	24,131,537.60	27,920,378.65	11,254,117.70	1,340,386.38	873,821.46	744,482.04	66,264,723.84	19.88
UID Banten	7,736,323.16	17,024,717.19	5,072,508.04	385,095.80	270,007.53	146,388.15	30,635,039.87	9.19
UID Jakarta Raya	23,285,549.67	4,366,818.41	16,978,039.97	1,526,534.82	2,350,270.04	354,151.04	48,861,363.93	14.66
Java	86,796,495.24	77,586,941.27	47,304,106.44	6,081,210.95	4,881,279.65	3,192,051.83	225,842,085.39	67.76
Indonesia	141,442,547.28	95,703,256.67	71,998,142.63	9,564,544.40	8,392,360.09	6,179,012.50	333,279,863.57	100.00
(%)	42.44	28.72	21.60	2.87	2.52	1.85	100.00	

Note: Data from AP2T Application

Table 8 : Average Energy Sold by Customers (kWh)**2023**

PLN Operational Unit/ Province	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total
UID Aceh	1,339.20	80,233.77	3,813.59	4,542.17	8,954.59	45,509.51	2,005.56
UID North Sumatera	1,478.12	613,439.58	12,462.91	7,031.81	13,819.89	22,984.49	2,794.90
UID West Sumatera	1,269.87	1,097,516.34	3,794.35	5,244.05	12,458.73	21,220.65	2,250.70
UID Riau and Riau Archipelago	1,643.22	3,542,321.23	8,022.28	6,618.29	16,744.21	20,164.94	3,670.51
- Riau	1,622.82	4,168,545.22	7,583.54	6,580.98	16,723.70	22,509.81	3,777.89
- Riau Archipelago	1,777.55	269,657.53	10,582.83	6,870.96	16,800.77	13,361.82	2,975.59
UID South Sumatera, Jambi and Bengkulu	1,435.29	368,281.58	12,501.21	5,214.23	13,362.12	14,221.54	2,279.90
- South Sumatera	1,482.86	407,405.50	17,417.16	5,895.88	16,239.18	18,548.10	2,526.96
- Jambi	1,406.93	220,132.69	8,375.60	4,552.72	11,188.75	8,702.71	2,044.05
- Bengkulu	1,302.93	457,362.64	8,302.33	4,140.01	9,881.21	7,497.79	1,761.44
UIW Bangka Belitung	1,640.32	527,711.14	6,177.74	6,410.34	10,828.13	2,988.33	2,886.68
UID Lampung	1,326.40	134,048.47	7,850.33	3,965.11	15,449.98	41,486.70	2,186.49
UID West Kalimantan	1,473.48	379,672.83	8,258.37	5,207.81	15,110.73	10,626.39	2,176.66
UID South and Central Kalimantan	1,475.44	809,569.34	7,031.90	4,043.24	13,383.79	13,027.82	2,412.14
- South Kalimantan	1,454.26	908,226.00	8,759.34	3,992.18	14,453.35	13,327.22	2,507.69
- Central Kalimantan	1,515.13	569,349.11	5,198.39	4,145.62	12,165.98	12,264.94	2,239.97
UID East and North Kalimantan	2,011.85	881,773.96	13,059.21	8,111.26	26,604.87	12,940.01	3,399.31
UID North, Central Sulawesi and Gorontalo	1,287.18	545,462.40	12,171.51	3,918.44	11,611.83	23,652.63	2,114.33
- North Sulawesi	1,329.71	771,626.62	16,232.48	6,083.88	9,062.76	22,495.64	2,573.29
- Central Sulawesi	1,221.00	279,495.41	8,618.43	2,536.59	12,102.11	27,722.60	1,712.90
- Gorontalo	1,363.70	509,944.44	10,541.97	4,890.12	16,915.73	18,877.37	2,119.82
UID South, Southeast and West Sulawesi	1,297.93	616,334.18	10,785.61	6,430.41	13,072.80	24,124.41	2,673.11
- South Sulawesi	1,372.39	720,167.54	11,909.68	7,915.43	16,230.27	28,759.66	3,114.21
- Southeast Sulawesi	1,168.11	120,726.74	8,612.13	3,774.49	8,133.69	12,112.36	1,692.12
- West Sulawesi	1,010.87	207,400.88	5,926.57	3,429.02	12,088.58	25,405.41	1,455.53
UIW Maluku and North Maluku	1,180.98	1,848,136.65	11,272.46	4,165.74	15,043.60	13,005.62	2,084.23
- Maluku	1,197.44	142,117.65	13,562.19	5,739.61	20,408.24	21,483.52	1,931.65
- North Maluku	1,169.35	3,756,184.21	9,449.08	3,230.01	11,349.40	10,094.34	2,191.93
UIW Papua and West Papua	1,570.17	145,089.82	9,991.46	6,361.49	18,438.15	10,430.65	2,402.17
- Papua	1,594.50	99,411.76	10,149.86	6,707.46	21,091.76	12,588.83	2,440.84
- West Papua	1,523.30	258,333.33	9,678.51	5,744.59	14,781.97	7,783.31	2,328.02
UID Bali	1,958.14	154,364.31	12,310.66	4,699.81	23,145.33	10,042.98	3,734.64
UIW West Nusa Tenggara	884.75	372,745.71	11,707.78	3,789.82	10,518.61	16,900.37	1,352.36
UIW East Nusa Tenggara	721.58	105,599.02	8,644.45	3,675.14	6,610.09	15,566.04	1,118.05
PT PLN Batam	3,225.91	2,425,843.83	21,126.45	20,800.46	96,573.28	10,729.17	8,704.77
O u t s i d e J a v a	1,423.86	491,640.26	9,460.56	5,336.71	14,133.17	18,630.67	2,557.83
UID East Java	1,292.16	140,994.54	7,949.25	4,643.28	19,015.23	8,114.13	3,052.69
UID Central Java and Yogyakarta	1,276.19	485,220.04	7,760.42	5,062.27	13,181.71	8,280.74	2,406.34
- Central Java	1,257.22	493,638.82	7,196.69	4,573.39	12,155.00	9,128.54	2,405.25
- D.I. Yogyakarta	1,428.40	316,529.41	12,227.59	9,424.23	19,995.03	4,868.17	2,415.07
UID West Java	1,401.50	1,418,330.41	10,710.89	4,626.54	28,182.64	4,211.05	3,457.60
UID Banten	1,766.94	2,159,796.50	16,759.38	6,360.07	38,680.03	9,603.03	6,751.69
UID Jakarta Raya	3,227.90	695,893.11	45,681.42	33,424.81	209,146.32	22,151.01	7,079.77
J a v a	1,551.69	414,922.60	13,643.36	6,052.88	35,506.66	7,185.38	3,693.63
I n d o n e s i a	1,500.15	428,435.85	11,883.13	5,768.01	21,814.64	10,222.02	3,235.28

Table 9 : Average of Electricity Tariff by Type of Customer (Rp/kWh)**2023**

PLN Operational Unit/ Province	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total
UID Aceh	913.82	1,144.95	1,191.84	792.92	1,590.24	1,699.80	1,031.54
UID North Sumatera	1,106.57	1,132.90	1,299.14	803.72	1,581.47	1,699.59	1,155.99
UID West Sumatera	1,102.53	1,051.29	1,205.06	813.52	1,600.68	1,702.93	1,121.47
UID Riau and Riau Archipelago	1,310.15	567.67	1,244.18	856.29	1,610.62	1,700.07	1,032.86
- Riau	1,296.59	560.95	1,240.83	856.65	1,611.65	1,700.10	996.78
- Riau Archipelago	1,391.68	1,110.98	1,258.16	853.98	1,607.82	1,699.23	1,329.24
UID South Sumatera, Jambi and Bengkulu	1,165.70	1,114.89	1,284.09	801.90	1,583.00	1,723.58	1,184.46
- South Sumatera	1,143.52	1,110.27	1,299.56	821.78	1,583.31	1,725.40	1,174.92
- Jambi	1,263.69	1,126.44	1,249.42	767.92	1,573.40	1,720.91	1,241.10
- Bengkulu	1,079.18	1,151.02	1,277.14	777.75	1,597.85	1,705.21	1,120.07
UIW Bangka Belitung	1,337.97	1,184.42	1,286.63	883.87	1,609.25	1,699.79	1,280.32
UID Lampung	1,020.81	1,134.03	1,244.54	774.91	1,591.51	1,733.29	1,089.70
UID West Kalimantan	1,129.52	1,147.97	1,266.76	808.72	1,599.08	1,699.71	1,164.84
UID South and Central Kalimantan	1,137.65	1,124.33	1,253.21	788.27	1,596.24	1,702.23	1,162.41
- South Kalimantan	1,095.80	1,113.72	1,278.10	792.06	1,599.99	1,700.64	1,140.85
- Central Kalimantan	1,212.83	1,165.57	1,208.70	780.96	1,591.17	1,706.61	1,205.88
UID East and North Kalimantan	1,342.60	1,155.33	1,300.67	843.85	1,592.36	1,700.29	1,298.88
UID North, Central Sulawesi and Gorontalo	1,070.85	1,126.50	1,308.00	799.11	1,588.47	1,699.19	1,138.70
- North Sulawesi	1,087.84	1,116.76	1,304.88	836.60	1,598.15	1,699.51	1,154.06
- Central Sulawesi	1,090.20	1,168.28	1,293.70	759.52	1,582.97	1,698.73	1,141.27
- Gorontalo	986.75	1,115.35	1,352.41	782.74	1,584.00	1,699.47	1,089.81
UID South, Southeast and West Sulawesi	1,148.96	1,028.09	1,297.49	843.27	1,584.26	1,699.82	1,141.77
- South Sulawesi	1,142.10	1,021.46	1,299.39	846.55	1,590.50	1,699.65	1,129.18
- Southeast Sulawesi	1,171.11	1,205.95	1,296.02	831.52	1,564.15	1,701.22	1,205.03
- West Sulawesi	1,164.24	1,137.39	1,268.45	827.04	1,583.03	1,698.60	1,185.74
UIW Maluku and North Maluku	1,219.30	748.30	1,335.39	801.77	1,607.54	1,699.47	1,163.65
- Maluku	1,224.06	1,123.35	1,324.42	836.30	1,610.63	1,699.46	1,261.04
- North Maluku	1,215.86	732.43	1,347.94	765.30	1,603.72	1,699.48	1,103.07
UIW Papua and West Papua	1,377.82	1,165.13	1,269.89	829.52	1,594.75	1,701.46	1,332.87
- Papua	1,385.42	1,130.56	1,265.90	829.73	1,583.51	1,701.81	1,335.14
- West Papua	1,362.51	1,198.12	1,278.17	829.30	1,616.86	1,700.75	1,328.32
UID Bali	1,424.02	1,115.98	1,281.18	861.91	1,628.27	1,692.90	1,333.12
UIW West Nusa Tenggara	887.61	1,140.60	1,325.82	789.31	1,575.82	1,694.86	1,021.30
UIW East Nusa Tenggara	1,197.58	1,193.46	1,315.76	862.32	1,567.67	1,699.32	1,224.02
PT PLN Batam	1,433.69	1,290.95	1,522.45	1,097.20	1,950.61	2,191.65	1,422.13
Outside Java	1,167.34	1,011.74	1,290.55	823.34	1,600.67	1,708.60	1,167.48
UID East Java	1,037.74	1,088.90	1,276.96	808.25	1,583.13	1,700.65	1,098.72
UID Central Java and Yogyakarta	967.00	1,104.29	1,268.26	825.42	1,565.53	1,702.14	1,064.50
- Central Java	940.37	1,104.06	1,271.43	816.73	1,563.30	1,699.99	1,051.36
- D.I. Yogyakarta	1,155.12	1,111.29	1,253.46	863.03	1,574.53	1,718.39	1,169.34
UID West Java	1,104.18	1,115.64	1,248.56	797.93	1,558.31	1,736.24	1,131.49
UID Banten	1,194.74	1,076.56	1,279.45	830.99	1,608.05	1,699.82	1,135.83
UID Jakarta Raya	1,488.39	1,092.47	1,212.58	920.24	1,585.64	1,705.03	1,320.85
J a v a	1,149.21	1,097.70	1,245.58	837.01	1,578.88	1,709.72	1,149.85
I n d o n e s i a	1,156.15	1,080.32	1,260.65	831.98	1,587.92	1,709.18	1,155.47

Note: Data from AP2T Application

Table 10 : Number of Customers by Type of Voltage
2023

PLN Operational Unit/ Province	Voltage			Total	(%)
	Low	Medium	High		
UID Aceh	1,723,806	554	-	1,724,360	1.93
UID North Sumatera	4,453,660	9,059	2	4,462,721	5.01
UID West Sumatera	1,691,494	1,683	2	1,693,179	1.90
UID Riau and Riau Archipelago	2,506,508	3,269	2	2,509,779	2.82
- Riau	2,170,781	3,063	2	2,173,846	2.44
- Riau Archipelago	335,727	206	-	335,933	0.38
UID South Sumatera, Jambi and Bengkulu	4,299,301	1,612	1	4,300,914	4.82
- South Sumatera	2,483,463	1,141	1	2,484,605	2.79
- Jambi	1,159,769	271	-	1,160,040	1.30
- Bengkulu	656,069	200	-	656,269	0.74
UIW Bangka Belitung	555,015	2,999	-	558,014	0.63
UID Lampung	2,634,412	823	-	2,635,235	2.96
UID West Kalimantan	1,519,438	596	-	1,520,034	1.70
UID South and Central Kalimantan	2,289,848	630	2	2,290,480	2.57
- South Kalimantan	1,472,566	454	2	1,473,022	1.65
- Central Kalimantan	817,282	176	-	817,458	0.92
UID East and North Kalimantan	1,489,593	974	2	1,490,569	1.67
UID North, Central Sulawesi and Gorontalo	2,099,300	901	2	2,100,203	2.36
- North Sulawesi	813,866	414	1	814,281	0.91
- Central Sulawesi	935,420	374	-	935,794	1.05
- Gorontalo	350,014	113	1	350,128	0.39
UID South, Southeast and West Sulawesi	3,894,266	3,548	7	3,897,821	4.37
- South Sulawesi	2,745,079	2,972	7	2,748,058	3.08
- Southeast Sulawesi	793,316	329	-	793,645	0.89
- West Sulawesi	355,871	247	-	356,118	0.40
UIW Maluku and North Maluku	791,082	1,580	1	792,663	0.89
- Maluku	327,106	888	-	327,994	0.37
- North Maluku	463,976	692	1	464,669	0.52
UIW Papua and West Papua	836,044	858	-	836,902	0.94
- Papua	549,497	474	-	549,971	0.62
- West Papua	286,547	384	-	286,931	0.32
UID Bali	1,657,690	43,822	-	1,701,512	1.91
UIW West Nusa Tenggara	1,901,670	639	-	1,902,309	2.13
UIW East Nusa Tenggara	1,191,677	815	-	1,192,492	1.34
PT PLN Batam	365,509	3,230	-	368,739	0.41
Outside Java	35,900,313	77,592	21	35,977,926	40.36
UID East Java	13,712,184	8,893	30	13,721,107	15.39
UID Central Java and Yogyakarta	13,291,028	5,515	9	13,296,552	14.91
- Central Java	11,815,770	4,942	9	11,820,721	13.26
- D.I. Yogyakarta	1,475,258	573	-	1,475,831	1.66
UID West Java	16,927,138	10,681	31	16,937,850	19.00
UID Banten	3,984,208	10,528	30	3,994,766	4.48
UID Jakarta Raya	5,209,360	15,711	6	5,225,077	5.86
Java	53,123,918	51,328	106	53,175,352	59.64
Indonesia	89,024,231	128,920	127	89,153,278	100.00
(%)	99.86	0.14	0.00	100	

Table 11 : Connected Capacity by Type of Voltage (MVA)

2023

PLN Operational Unit/ Province	Voltage			Total	(%)
	Low	Medium	High		
UID Aceh	1,993.24	180.63	-	2,173.86	1.27
UID North Sumatera	5,778.64	1,624.66	80.10	7,483.40	4.36
UID West Sumatera	2,089.51	209.54	140.00	2,439.06	1.42
UID Riau and Riau Archipelago	3,992.35	586.49	360.00	4,938.84	2.88
- Riau	3,352.02	503.59	360.00	4,215.61	2.46
- Riau Archipelago	640.33	82.90	-	723.23	0.42
UID South Sumatera, Jambi and Bengkulu	5,511.79	845.82	45.00	6,402.61	3.73
- South Sumatera	3,133.68	640.43	45.00	3,819.10	2.23
- Jambi	1,636.69	142.53	-	1,779.22	1.04
- Bengkulu	741.43	62.87	-	804.30	0.47
UIW Bangka Belitung	927.29	214.78	-	1,142.07	0.67
UID Lampung	3,072.02	648.00	-	3,720.02	2.17
UID West Kalimantan	2,069.76	234.24	-	2,303.99	1.34
UID South and Central Kalimantan	2,864.39	463.52	130.00	3,457.91	2.02
- South Kalimantan	1,769.23	343.98	130.00	2,243.20	1.31
- Central Kalimantan	1,095.17	119.55	-	1,214.71	0.71
UID East and North Kalimantan	2,594.14	498.34	150.00	3,242.48	1.89
UID North, Central Sulawesi and Gorontalo	2,610.83	391.82	72.50	3,075.16	1.79
- North Sulawesi	1,118.81	233.25	40.00	1,392.06	0.81
- Central Sulawesi	1,094.43	111.63	-	1,206.07	0.70
- Gorontalo	397.59	46.94	32.50	477.03	0.28
UID South, Southeast and West Sulawesi	5,426.81	696.95	512.25	6,636.00	3.87
- South Sulawesi	3,869.13	573.50	512.25	4,954.88	2.89
- Southeast Sulawesi	1,096.45	95.18	-	1,191.63	0.69
- West Sulawesi	461.23	28.27	-	489.49	0.29
UIW Maluku and North Maluku	1,027.24	75.72	80.00	1,182.96	0.69
- Maluku	455.00	47.39	-	502.39	0.29
- North Maluku	572.24	28.33	80.00	680.57	0.40
UIW Papua and West Papua	1,498.36	151.17	-	1,649.53	0.96
- Papua	990.35	98.60	-	1,088.95	0.63
- West Papua	508.01	52.57	-	560.58	0.33
UID Bali	3,774.99	761.75	-	4,536.74	2.65
UIW West Nusa Tenggara	1,962.76	202.04	-	2,164.81	1.26
UIW East Nusa Tenggara	1,497.97	93.41	-	1,591.38	0.93
PT PLN Batam	1,080.21	751.56	-	1,831.77	1.07
Outside Java	49,772.29	8,630.45	1,569.85	59,972.59	34.97
UID East Java	17,448.38	6,220.56	1,324.16	24,993.10	14.57
UID Central Java and Yogyakarta	15,251.39	3,995.80	387.50	19,634.69	11.45
- Central Java	13,185.59	3,594.06	387.50	17,167.15	10.01
- D.I. Yogyakarta	2,065.80	401.74	-	2,467.54	1.44
UID West Java	20,848.55	9,257.72	1,701.37	31,807.64	18.55
UID Banten	6,180.62	5,219.29	2,065.78	13,465.69	7.85
UID Jakarta Raya	13,611.66	7,644.92	378.14	21,634.72	12.61
Java	73,340.60	32,338.29	5,856.95	111,535.83	65.03
Indonesia	123,112.89	40,968.74	7,426.80	171,508.42	100.00
(%)	71.78	23.89	4.33	100.00	

Table 12 : Energy Sold by Type of Voltage (GWh)**2023**

PLN Operational Unit/ Province	Voltage			Total	(%)
	Low	Medium	High		
UID Aceh	3,060.92	397.38	-	3,458.30	1.20
UID North Sumatera	8,756.99	3,455.66	260.19	12,472.84	4.32
UID West Sumatera	2,851.31	407.27	552.26	3,810.84	1.32
UID Riau and Riau Archipelago	5,511.26	1,294.29	2,406.60	9,212.16	3.19
- Riau	4,682.97	1,122.99	2,406.60	8,212.56	2.85
- Riau Archipelago	828.30	171.30	-	999.60	0.35
UID South Sumatera, Jambi and Bengkulu	7,839.53	1,794.59	171.53	9,805.65	3.40
- South Sumatera	4,677.82	1,429.15	171.53	6,278.50	2.18
- Jambi	2,115.54	255.64	-	2,371.18	0.82
- Bengkulu	1,046.17	109.81	-	1,155.97	0.40
UIW Bangka Belitung	1,180.58	430.24	-	1,610.81	0.56
UID Lampung	4,455.19	1,306.72	-	5,761.91	2.00
UID West Kalimantan	2,904.82	403.77	-	3,308.59	1.15
UID South and Central Kalimantan	4,326.01	907.97	290.97	5,524.95	1.92
- South Kalimantan	2,744.93	657.96	290.97	3,693.87	1.28
- Central Kalimantan	1,581.08	250.00	-	1,831.08	0.63
UID East and North Kalimantan	3,907.34	1,071.88	87.70	5,066.92	1.76
UID North, Central Sulawesi and Gorontalo	3,539.99	674.34	226.19	4,440.52	1.54
- North Sulawesi	1,485.92	433.07	176.38	2,095.38	0.73
- Central Sulawesi	1,435.71	167.21	-	1,602.92	0.56
- Gorontalo	618.35	74.05	49.81	742.22	0.26
UID South, Southeast and West Sulawesi	6,956.46	1,156.25	2,306.61	10,419.32	3.61
- South Sulawesi	5,245.73	1,005.70	2,306.61	8,558.03	2.97
- Southeast Sulawesi	1,233.73	109.22	-	1,342.95	0.47
- West Sulawesi	477.00	41.33	-	518.33	0.18
UIW Maluku and North Maluku	1,261.52	113.86	276.70	1,652.08	0.57
- Maluku	566.35	67.22	-	633.56	0.22
- North Maluku	695.17	46.64	276.70	1,018.52	0.35
UIW Papua and West Papua	1,808.10	202.28	-	2,010.38	0.70
- Papua	1,204.80	137.59	-	1,342.39	0.47
- West Papua	603.30	64.69	-	667.98	0.23
UID Bali	4,823.37	1,531.16	-	6,354.53	2.20
UIW West Nusa Tenggara	2,220.24	352.36	-	2,572.60	0.89
UIW East Nusa Tenggara	1,179.70	153.55	-	1,333.25	0.46
PT PLN Batam	1,616.57	1,593.22	-	3,209.79	1.11
Outside Java	68,199.90	17,246.78	6,578.76	92,025.44	31.91
UID East Java	24,079.37	14,133.90	3,673.02	41,886.30	14.52
UID Central Java and Yogyakarta	22,303.90	8,547.25	1,144.83	31,995.98	11.09
- Central Java	19,492.56	7,794.35	1,144.83	28,431.75	9.86
- D.I. Yogyakarta	2,811.34	752.89	-	3,564.23	1.24
UID West Java	30,032.63	23,059.47	5,472.20	58,564.31	20.30
UID Banten	9,593.56	12,532.93	4,844.91	26,971.40	9.35
UID Jakarta Raya	21,374.27	14,612.02	1,006.07	36,992.35	12.83
Java	107,383.73	72,885.57	16,141.04	196,410.34	68.09
Indonesia	175,583.63	90,132.35	22,719.80	288,435.78	100.00
(%)	60.87	31.25	7.88	100.00	

Table 13 : Revenue by Type of Voltage (million Rp)

2023

PLN Operational Unit/ Province	Voltage				Total	(%)
	Low	Medium	High	Multipurpose		
UID Aceh	3,086,811.26	403,940.86	-	76,639.18	3,567,391.29	1.07
UID North Sumatera	10,105,013.05	3,829,181.30	279,095.88	205,152.29	14,418,442.53	4.33
UID West Sumatera	3,225,617.83	425,414.80	550,463.90	72,230.29	4,273,726.82	1.28
UID Riau and Riau Archipelago	7,086,724.77	1,445,074.44	900,464.78	82,568.28	9,514,832.27	2.85
- Riau	5,964,607.29	1,243,932.61	900,464.78	77,122.88	8,186,127.56	2.46
- Riau Archipelago	1,122,117.48	201,141.83	-	5,445.40	1,328,704.71	0.40
UID South Sumatera, Jambi and Bengkulu	9,351,423.76	1,931,470.09	170,971.33	160,506.24	11,614,371.41	3.48
- South Sumatera	5,536,523.74	1,540,922.92	170,971.33	128,308.81	7,376,726.80	2.21
- Jambi	2,650,764.63	272,758.53	-	19,344.68	2,942,867.84	0.88
- Bengkulu	1,164,135.39	117,788.64	-	12,852.74	1,294,776.77	0.39
UIW Bangka Belitung	1,549,463.78	499,256.93	-	13,635.64	2,062,356.35	0.62
UID Lampung	4,781,182.59	1,460,041.80	-	37,555.05	6,278,779.44	1.88
UID West Kalimantan	3,376,825.10	452,777.46	-	24,361.53	3,853,964.09	1.16
UID South and Central Kalimantan	5,047,458.77	1,015,511.72	296,506.52	62,769.22	6,422,246.23	1.93
- South Kalimantan	3,135,960.25	735,554.29	296,506.52	46,155.17	4,214,176.23	1.26
- Central Kalimantan	1,911,498.52	279,957.43	-	16,614.05	2,208,070.00	0.66
UID East and North Kalimantan	5,171,759.07	1,251,090.76	87,411.82	71,051.15	6,581,312.80	1.97
UID North, Central Sulawesi and Gorontalo	4,011,423.59	752,424.70	239,471.12	53,090.48	5,056,409.89	1.52
- North Sulawesi	1,718,283.82	489,387.88	185,509.27	25,003.95	2,418,184.91	0.73
- Central Sulawesi	1,631,610.26	184,695.01	-	13,053.30	1,829,358.57	0.55
- Gorontalo	661,529.50	78,341.81	53,961.85	15,033.23	808,866.40	0.24
UID South, Southeast and West Sulawesi	8,242,930.07	1,234,319.56	2,285,756.23	133,458.66	11,896,464.51	3.57
- South Sulawesi	6,199,654.70	1,064,632.20	2,285,756.23	113,516.11	9,663,559.24	2.90
- Southeast Sulawesi	1,478,892.73	124,747.19	-	14,646.56	1,618,286.48	0.49
- West Sulawesi	564,382.64	44,940.17	-	5,295.99	614,618.80	0.18
UIW Maluku and North Maluku	1,574,318.81	87,689.01	198,083.41	62,364.15	1,922,455.38	0.58
- Maluku	713,522.50	61,072.95	-	24,363.79	798,959.23	0.24
- North Maluku	860,796.32	26,616.06	198,083.41	38,000.36	1,123,496.15	0.34
UIW Papua and West Papua	2,428,958.21	237,009.60	-	13,610.37	2,679,578.18	0.80
- Papua	1,623,993.49	158,967.69	-	9,323.69	1,792,284.87	0.54
- West Papua	804,964.72	78,041.91	-	4,286.68	887,293.31	0.27
UID Bali	6,673,262.24	1,635,780.39	-	162,331.76	8,471,374.39	2.54
UIW West Nusa Tenggara	2,213,917.80	360,687.35	-	52,793.71	2,627,398.86	0.79
UIW East Nusa Tenggara	1,446,449.40	139,732.77	-	45,755.35	1,631,937.52	0.49
PT PLN Batam	2,401,082.59	2,127,926.00	-	35,727.63	4,564,736.21	1.37
Outside Java	81,774,622.69	19,289,329.53	5,008,225.00	1,365,600.96	107,437,778.18	32.24
UID East Java	26,301,864.45	15,577,720.60	3,679,668.59	462,008.38	46,021,262.01	13.81
UID Central Java and Yogyakarta	23,291,723.77	9,425,089.63	1,158,643.64	184,238.69	34,059,695.73	10.22
- Central Java	19,953,548.38	8,601,750.77	1,158,643.64	177,940.98	29,891,883.77	8.97
- D.I. Yogyakarta	3,338,175.39	823,338.85	-	6,297.71	4,167,811.96	1.25
UID West Java	33,973,510.45	26,040,807.34	5,524,192.11	726,213.93	66,264,723.84	19.88
UID Banten	11,533,176.90	13,669,234.51	4,845,000.05	587,628.41	30,635,039.87	9.19
UID Jakarta Raya	30,835,375.67	16,350,083.03	1,009,565.75	666,339.49	48,861,363.93	14.66
Java	125,935,651.24	81,062,935.10	16,217,070.14	2,626,428.90	225,842,085.39	67.76
Indonesia	207,710,273.94	100,352,264.63	21,225,295.14	3,992,029.86	333,279,863.57	100.00
(%)	62.32	30.11	6.37	1.20	100.00	

Table 14 : Number of Customers, Connected Capacity and Energy Consumption by Tariff Category (Rp/kWh)

2023

Tariff Category	Customers	Connected (MVA)	Sold (MWh)	Revenue *) (thousand Rp)
S-1	23	0.01	0.24	24,607.95
S-2	1,990,389	5,759.20	7,425.79	5,800,190,016.98
S-3	2,689	2,307.47	4,070.31	3,764,354,383.00
R-1	79,044,851	71,353.17	105,603.73	113,073,656,995.16
R-2	2,126,965	9,096.81	10,856.06	18,416,244,185.99
R-3	379,509	4,868.87	5,879.66	9,952,621,484.50
B-1	3,911,853	7,226.72	9,525.85	9,136,263,259.99
B-2	785,947	15,953.22	22,395.98	32,472,703,463.84
B-3 **)	9,147	11,558.67	22,461.29	25,872,932,947.07
I-1	142,481	597.81	420.02	449,938,048.55
I-2	48,334	4,687.38	6,879.85	7,441,997,365.63
I-3	15,828	23,986.12	58,568.02	66,586,026,116.09
I-4	127	7,426.80	22,719.80	21,225,295,140.14
P-1	240,212	2,195.04	2,981.26	4,787,622,012.80
P-2	2,062	1,794.10	2,303.85	3,604,738,080.47
P-3	353,667	1,374.66	3,615.19	6,179,012,494.32
Traction T-1	87	424.89	383.53	295,164,946.91
Bulk C-1	29	73.02	207.23	229,048,156.37
Special Services	99,078	824.46	2,138.12	3,992,029,861.98
Total	89,153,278	171,508.42	288,435.78	333,279,863,567.74

*) Data from AP2T Application

**) Included B4 Customers

Table 15 : Electricity Waiting List

PLN Operational Unit/ Province	Waiting List Last Month		New Applicants This Month		Payment of Connection Fee This Month		Connected	
	Total	Capacity (kVA)	Total	Capacity (kVA)	Total	Capacity (kVA)	Total	Capacity (kVA)
UID Aceh	12,807	230,912,100	64,155	208,331,300.00	58,661	83,007,150.00	60,486	107,256,300.00
UID North Sumatera	33,661	154,180,100	193,798	408,655,250.00	164,791	278,544,050.00	166,621	283,056,900.00
UID West Sumatera	7,040	39,599,500	71,659	111,949,550.00	65,723	94,452,250.00	65,554	92,973,850.00
UID Riau and Riau Archipelago	16,566	250,186,300	139,123	353,013,350.00	116,519	199,738,150.00	113,991	206,877,350.00
- Riau	-	-	-	-	-	-	-	-
- Riau Archipelago	-	-	-	-	-	-	-	-
UID South Sumatera, Jambi and Bengkulu	65,892	314,944,750	219,413	395,389,150.00	186,410	283,972,250.00	189,359	276,076,350.00
- South Sumatera	-	-	-	-	-	-	-	-
- Jambi	-	-	-	-	-	-	-	-
- Bengkulu	-	-	-	-	-	-	-	-
UIW Bangka Belitung	5,525	152,201,000	26,068	94,160,050.00	21,879	71,146,000.00	21,639	76,413,300.00
UID Lampung	41,699	223,065,150	104,672	165,030,050.00	96,279	131,973,000.00	98,448	168,284,600.00
UID West Kalimantan	52,453	191,119,300	101,566	171,198,900.00	85,836	130,394,650.00	90,002	137,910,300.00
UID South and Central Kalimantan	45,840	1,585,726,450	129,465	576,356,450.00	107,035	310,267,600.00	105,065	270,926,000.00
- South Kalimantan	-	-	-	-	-	-	-	-
- Central Kalimantan	-	-	-	-	-	-	-	-
UID East and North Kalimantan	22,582	3,525,376,150	98,513	260,199,600.00	84,114	169,904,900.00	82,476	330,269,400.00
UID North, Central Sulawesi and Gorontalo	74,476	2,820,177,600	151,619	337,488,950.00	118,180	223,045,400.00	118,426	211,485,000.00
- North Sulawesi	-	-	-	-	-	-	-	-
- Central Sulawesi	-	-	-	-	-	-	-	-
- Gorontalo	-	-	-	-	-	-	-	-
UID South, Southeast and West Sulawesi	230,612	6,509,878,600	215,228	868,756,100.00	180,761	521,608,200.00	195,922	412,852,900.00
- South Sulawesi	-	-	-	-	-	-	-	-
- Southeast Sulawesi	-	-	-	-	-	-	-	-
- West Sulawesi	-	-	-	-	-	-	-	-
UIW Maluku and North Maluku	3,620	95,847,750	51,469	70,319,600.00	48,731	62,635,700.00	48,544	142,222,400.00
- Maluku	-	-	-	-	-	-	-	-
- North Maluku	-	-	-	-	-	-	-	-
UIW Papua and West Papua	16,632	53,610,750	68,999	124,706,450.00	44,583	81,789,300.00	44,724	78,258,550.00
- Papua	-	-	-	-	-	-	-	-
- West Papua	-	-	-	-	-	-	-	-
UID Bali	14,459	108,724,200	80,619	282,625,250.00	74,252	221,617,900.00	72,507	211,656,800.00
UIW West Nusa Tenggara	11,833	230,269,150	129,696	139,640,900.00	120,241	114,418,750.00	119,706	114,398,450.00
UIW East Nusa Tenggara	44,626	101,549,950	97,284	114,608,650.00	87,833	98,608,450.00	88,331	97,484,000.00
PT PLN Batam	327,710	1,145,155	16,312	29,373.70	13,141	79,937.80	12,559	77,572.30
Outside Java	1,028,033	16,588,513,955	1,959,658	4,682,458,923.70	1,674,969	3,077,203,637.80	1,694,360	3,218,480,022.30
UID East Java	57,343	1,921,861,350	557,094	1,150,541,550.00	462,998	794,122,900.00	454,574	944,316,800.00
UID Central Java and Yogyakarta	31,080	116,169,100	516,915	1,236,281,200.00	448,095	818,154,550.00	450,690	826,467,200.00
- Central Java	-	-	-	-	-	-	-	-
- D.I. Yogyakarta	-	-	-	-	-	-	-	-
UID West Java	130,316	1,944,839,650	765,009	2,622,833,200.00	618,756	1,411,693,650.00	636,641	1,433,798,600.00
UID Banten	11,513	3,391,450,450	217,994	871,179,250.00	174,500	430,098,250.00	175,052	556,263,700.00
UID Jakarta Raya	14,239	1,148,795,750	197,471	814,070,850.00	172,195	480,897,250.00	171,088	606,323,100.00
J a v a	244,491	8,523,116,300	2,254,483	6,694,906,050.00	1,876,544	3,934,966,600.00	1,888,045	4,367,169,400.00
I n d o n e s i a	1,272,524	25,111,630,255	4,214,141	11,377,364,973.70	3,551,513	7,012,170,237.80	3,582,405	7,585,649,422.30

Discharging/ Cancelled		Receive From Deposit Connection Fee		Correction of Applica- tion for Connection Fee		Move From Another Unit		Move to Another Unit		Final Waiting List	
Total	Capacity (kVA)	Total	Capacity (kVA)	Total	Capacity (kVA)	Total	Capacity (kVA)	Total	Capacity (kVA)	Total	Capacity (kVA)
273	12,875,100	112	156,650	2	241,300	214	381,850	214	381,850	10,823	194,185,800
409	1,115,200	65	270,500	51	26,500	2,000	4,676,100	1,999	4,658,500	31,539	148,866,650
474	865,750	120	136,900	4	26,100	177	269,150	175	261,250	6,861	40,383,050
536	3,211,300	-	-	5	108,600	1,217	3,361,550	1,219	3,380,450	18,561	239,925,500
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
3,664	8,410,200	1,206	2,298,350	4	3,600	1,020	2,675,550	995	2,658,750	60,514	316,749,200
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
617	3,941,350	169	334,900	5	4,500	23	51,300	23	51,300	5,322	143,331,750
570	1,525,900	219	103,500	2	83,400	728	1,678,800	754	1,702,200	39,155	185,391,150
1,711	5,517,250	645	2,076,950	12	7,150	351	1,452,350	351	1,452,350	47,233	180,170,500
4,891	11,885,400	2,363	2,465,100	2	245,500	615	1,140,500	615	1,140,500	45,284	1,615,893,250
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
554	3,899,050	248	452,750	1	900	363	6,118,600	363	6,118,600	23,915	3,361,566,250
1,178	3,993,300	460	612,200	2	1,800	110	493,300	110	493,300	73,514	2,828,358,700
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
2,299	108,963,000	97	182,600	61	919,000	1,177	1,950,350	1,177	1,950,350	213,310	6,510,772,500
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
45	190,000	-	-	-	-	6	37,500	6	37,500	3,762	16,071,050
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
94	684,850	5	7,400	1	197,000	12	22,000	12	22,000	16,403	56,661,050
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
1,028	5,591,650	-	-	-	-	394	1,173,650	394	1,173,650	15,176	113,093,650
1,311	1,568,950	135	144,600	18	18,200	378	412,100	378	412,100	11,210	228,883,300
1,425	2,023,950	23	21,400	4	3,600	94	271,950	94	271,950	42,730	100,675,450
36	1,217	-	-	-	-	-	-	-	-	328,256	1,146,304
21,115	176,263,417	5,867	9,263,800	174	1,887,150	8,879	26,166,600	8,879	26,166,600	993,568	16,282,125,104
14,449	28,134,350	5,240	9,052,300	197	1,899,150	6,239	10,529,450	6,243	10,552,350	56,751	1,754,461,650
7,179	12,861,250	2,969	5,170,850	46	172,800	4,915	7,232,850	4,912	7,210,400	24,324	100,361,300
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
8,371	25,825,350	6,810	17,469,050	1	105,000	8,897	336,516,300	10,092	338,615,450	109,676	1,912,384,250
1,148	123,094,800	73	212,450	6	120,013,000	1,329	31,153,600	1,208	30,943,550	10,013	3,262,625,700
2,321	6,467,400	731	1,689,100	1	5,500	8,376	30,840,700	7,301	28,951,150	14,832	1,020,486,650
33,468	196,383,150	15,823	33,593,750	251	122,195,450	29,756	416,272,900	29,756	416,272,900	215,596	8,050,319,550
54,583	372,646,567	21,690	42,857,550	425	124,082,600	38,635	442,439,500	38,635	442,439,500	1,209,164	24,332,444,654

Table 16 : SAIDI and SAIFI**2023**

PLN Operational Unit/ Province	SAIDI Hours/Customer	SAIFI Times/Customer
UID Aceh	7.19	5.51
UID North Sumatera	7.05	5.22
UID West Sumatera	3.62	2.03
UID Riau and Riau Archipelago	7.51	5.14
UID South Sumatera, Jambi and Bengkulu	9.03	5.21
UIW Bangka Belitung	1.66	2.48
UID Lampung	12.01	6.33
UID West Kalimantan	14.87	13.47
UID South and Central Kalimantan	9.53	6.88
UID East and North Kalimantan	11.30	9.18
UID North, Central Sulawesi and Gorontalo	11.73	10.61
UID South, Southeast and West Sulawesi	11.75	7.64
UIW Maluku and North Maluku	1.29	3.14
UIW Papua and West Papua	7.50	6.78
UID Bali	0.91	0.86
UIW West Nusa Tenggara	3.61	3.13
UIW East Nusa Tenggara	2.51	4.11
PT PLN Batam	8.51	3.60
Outside Java	8.17	5.93
UID East Java	2.91	2.49
UID Central Java and Yogyakarta	4.73	3.62
UID West Java	5.64	4.49
UID Jakarta Raya	0.50	0.71
UID Banten	1.88	1.33
Java	3.92	3.15
Indonesia	5.64	4.27

Table 17 : Number and Duration of Transmission Outages per 100 kmc
2023

PLN Operational Unit/ Province	Interruption Duration (Hours)	Number of Interruption (Times)	Transmission Lines Length (kmc)	System Outage Duration (SOD) (Hours/100 kmc)	System Outage Frequency (SOF) (Times/100 kmc)
UID Aceh	-	-	-	-	-
UID North Sumatera	-	-	-	-	-
UID West Sumatera	-	-	-	-	-
UID Riau and Riau Archipelago	-	-	-	-	-
- Riau	-	-	-	-	-
- Riau Archipelago	-	-	-	-	-
UID South Sumatera, Jambi and Bengkulu	-	-	-	-	-
- South Sumatera	-	-	-	-	-
- Jambi	-	-	-	-	-
- Bengkulu	-	-	-	-	-
UIW Bangka Belitung	0.94	8	777.51	0.12	1.03
UID Lampung	-	-	-	-	-
UID West Kalimantan	-	-	-	-	-
UID South and Central Kalimantan	-	-	-	-	-
- South Kalimantan	-	-	-	-	-
- Central Kalimantan	-	-	-	-	-
UID East and North Kalimantan	-	-	-	-	-
UID North, Central Sulawesi and Gorontalo	-	-	-	-	-
- South Sulawesi	-	-	-	-	-
- Central Sulawesi	-	-	-	-	-
- Gorontalo	-	-	-	-	-
UIW South, Southeast and West Sulawesi	-	-	-	-	-
- South Sulawesi	-	-	-	-	-
- Southeast Sulawesi	-	-	-	-	-
- West Sulawesi	-	-	-	-	-
UIW Maluku and North Maluku	-	-	93.72	-	-
- Maluku	-	-	78.22	-	-
- Maluku Utara	-	-	15.50	-	-
UIW Papua and West Papua	1.30	1	298.88	0.43	0.33
- Papua	1.30	1	217.96	0.60	0.46
- West Papua	-	-	80.92	-	-
UID Bali	-	-	-	-	-
UIW West Nusa Tenggara	3.05	4	1,295.00	0.24	0.31
UIW East Nusa Tenggara	-	1	1,415.18	-	0.07
PT PLN Batam	5.43	3	200.91	2.70	1.49
PT PLN Nusa Daya*)	-	-	-	-	-
UIP3B Sumatera	27.20	56	19,928.68	0.14	0.28
UIP3B Kalimantan	25.20	55	7,507.46	0.34	0.73
UIP3B Sulawesi	1.65	4	7,893.38	0.02	0.05
Outside Java	64.77	132	39,410.72	0.16	0.33
UID East Java	-	-	-	-	-
UID Central Java and Yogyakarta	-	-	-	-	-
- Central Java	-	-	-	-	-
- D.I. Yogyakarta	-	-	-	-	-
UID West Java	-	-	-	-	-
UID Banten	-	-	-	-	-
UID Jakarta Raya	-	-	-	-	-
PLN Indonesia Power	-	-	-	-	-
PLN Nusantara Power	-	-	-	-	-
UIP2B	-	-	-	-	-
J a v a	-	-	-	-	-
I n d o n e s i a	64.77	132	39,410.72	0.16	0.33

*) Previously it was PT PLN Tarakan

Table 18 : Number of Distribution Interruption per 100 kmc

2023

PLN Operational Unit/ Province	Number of Interruption (Times)	Medium Voltage Lines Length (kmc)	Number of Interruption (Times/100 kmc)
UID Aceh	2,749	14,437.00	19.04
UID North Sumatera	79	30,251.95	0.26
UID West Sumatera	2,401	11,388.55	21.08
UID Riau and Riau Archipelago	89	18,082.80	0.49
- Riau	84	15,504.07	0.54
- Riau Archipelago	5	2,578.73	0.19
UID South Sumatera, Jambi and Bengkulu	1,597	30,637.06	5.21
- South Sumatera	1,053	16,101.84	6.54
- Jambi	402	9,657.91	4.16
- Bengkulu	142	4,877.31	2.91
UIW Bangka Belitung	1,078	6,005.49	17.95
UID Lampung	2,347	14,858.00	15.80
UID West Kalimantan	854	14,889.04	5.74
UID South and Central Kalimantan	265	18,482.00	1.43
- South Kalimantan	154	9,794.00	1.57
- Central Kalimantan	111	8,688.00	1.28
UID East and North Kalimantan	3,309	11,342.85	29.17
UID North, Central Sulawesi and Gorontalo	179	16,942.36	1.06
- North Sulawesi	106	5,953.31	1.78
- Central Sulawesi	59	8,411.56	0.70
- Gorontalo	14	2,577.49	0.54
UID South, Southeast and West Sulawesi	5,102	28,099.85	18.16
- South Sulawesi	3,764	16,995.27	22.15
- Southeast Sulawesi	1,092	7,174.59	15.22
- West Sulawesi	246	3,929.99	6.26
UIW Maluku and North Maluku	977	8,398.31	11.63
- Maluku	777	4,670.23	16.64
- North Maluku	200	3,728.07	5.36
UIW Papua and West Papua	39	7,805.42	0.50
- Papua	27	5,013.68	0.54
- West Papua	12	2,791.74	0.43
UID Bali	126	8,830.06	1.43
UIW West Nusa Tenggara	752	7,134.87	10.54
UIW East Nusa Tenggara	84	12,073.01	0.70
PT PLN Batam	64	2,205.45	2.90
PT PLN Nusa Daya*)	-	-	-
UIP3B Sumatera	-	-	-
UIP3B Kalimantan	-	-	-
UIP3B Sulawesi	-	-	-
Outside Java	22,091	261,864.07	8.44
UID East Java	101	41,807.71	0.24
UID Central Java and Yogyakarta	501	55,204.21	0.91
- Jawa Tengah	449	49,306.38	0.91
- D.I. Yogyakarta	52	5,897.83	0.88
UID West Java	156	50,137.68	0.31
UID Banten	274	16,676.51	1.64
UID Jakarta Raya	1,121	17,908.00	6.26
PLN Indonesia Power	-	-	-
PLN Nusantara Power	-	-	-
UIP2B	-	-	-
J a v a	2,153	181,734.10	1.18
I n d o n e s i a	24,244	443,598.17	5.47

*) Previously it was PT PLN Tarakan

Table 19 : Electrification Ratio and Energy Consumption per Capita**2023**

PLN Operational Unit/ Province	Residential (x1.000)	Residential Customers *)	Electrification Ratio **) (%)
UID Aceh	1,484.11	1,483,479	99.96
UID North Sumatera	4,184.98	4,176,868	99.81
UID West Sumatera	1,461.48	1,444,577	98.84
UID Riau and Riau Archipelago	2,656.16	2,550,171	96.01
- Riau	2,048.51	1,945,714	94.98
- Riau Archipelago	607.65	604,457	99.47
UID South Sumatera, Jambi and Bengkulu	4,143.40	4,041,623	97.54
- South Sumatera	2,415.13	2,367,188	98.02
- Jambi	1,103.98	1,056,251	95.68
- Bengkulu	624.29	618,184	99.02
UIW Bangka Belitung	500.44	500,396	99.99
UID Lampung	2,449.75	2,444,494	99.79
UID West Kalimantan	1,477.04	1,394,596	94.42
UID South and Central Kalimantan	2,100.59	2,057,432	97.95
- South Kalimantan	1,343.35	1,339,183	99.69
- Central Kalimantan	757.23	718,249	94.85
UID East and North Kalimantan	1,418.20	1,353,823	95.46
UID North, Central Sulawesi and Gorontalo	1,972.39	1,955,938	99.17
- North Sulawesi	764.70	759,769	99.36
- Central Sulawesi	877.99	868,021	98.86
- Gorontalo	329.70	328,148	99.53
UID South, Southeast and West Sulawesi	3,814.17	3,638,718	99.40
- South Sulawesi	2,650.61	2,568,422	96.90
- Southeast Sulawesi	794.59	737,600	92.83
- West Sulawesi	368.98	332,696	90.17
UIW Maluku and North Maluku	805.45	740,943	91.99
- Maluku	443.94	422,107	95.08
- North Maluku	361.51	318,836	88.20
UIW Papua and West Papua	1,179.00	761,411	64.58
- Papua	286.91	257,607	89.79
- West Papua	146.56	130,615	89.12
- Central Papua	242.77	119,751	49.33
- South Papua	121.48	91,734	75.51
- Mountain Papua	235.60	33,129	14.06
- Southwest Papua	145.69	128,575	88.25
UID Bali	1,398.36	1,398,359	100.00
UIW West Nusa Tenggara	1,822.75	1,818,269	99.75
UIW East Nusa Tenggara	1,281.30	1,120,916	87.48
Outside Java	34,149.56	32,882,013	96.29
UID East Java	12,448.40	12,387,141	99.51
UID Central Java and Yogyakarta	12,187.90	12,181,754	99.95
- Central Java	10,833.18	10,832,100	99.99
- D.I. Yogyakarta	1,354.72	1,349,654	99.63
UID West Java	16,283.47	16,236,989	99.71
UID Banten	4,475.95	4,474,572	99.97
UID Jakarta Raya	3,393.73	3,393,733	100.00
J a v a	48,789.46	48,674,189	99.76
I n d o n e s i a	82,939.02	81,556,202	98.33

*) Included Customer APDAL (Alat Penyalur Daya Listrik)

**) Excluded Non PLN Customer

Table 20 : Number of Generating Units *)

2023

Satuan PLN/Provinsi	Hydro	Mini Hydro	Micro Hydro	Steam	Gas Turbine	Com-bined Cycle	Geo-thermal	Diesel	Gas Engine	Sun	Wind	Biomass	Total	IPP	Rent-ed	Total
UID Aceh	-	-	4	-	-	-	-	199	-	-	-	-	203	8	3	214
UID North Sumatera	-	-	-	-	-	-	-	28	-	-	-	-	28	26	-	54
UID West Sumatera	-	-	3	-	-	-	-	96	-	4	-	-	103	14	-	117
UID Riau and Riau Archipelago	-	-	-	-	-	-	-	540	2	10	-	-	552	15	15	582
- Riau	-	-	-	-	-	-	-	248	-	1	-	-	249	14	7	270
- Riau Archipelago	-	-	-	-	-	-	-	292	2	9	-	-	303	1	8	312
UID South Sumatera, Jambi and Bengkulu	-	1	1	-	-	-	-	158	-	-	-	-	160	27	4	191
- South Sumatera	-	-	-	-	-	-	-	43	-	-	-	-	43	15	-	58
- Jambi	-	-	-	-	-	-	-	49	-	-	-	-	49	4	1	54
- Bengkulu	-	1	1	-	-	-	-	66	-	-	-	-	68	8	3	79
UIW Bangka Belitung	-	-	-	4	-	-	-	98	-	4	-	1	107	7	3	117
UID Lampung	-	-	-	-	-	-	-	45	-	-	-	-	45	5	-	50
UID West Kalimantan	-	-	6	-	-	-	-	212	-	2	-	-	220	6	4	230
UID South and Central Kalimantan	-	-	-	-	-	-	-	382	-	-	-	-	382	8	-	390
- South Kalimantan	-	-	-	-	-	-	-	96	-	-	-	-	96	1	-	97
- Central Kalimantan	-	-	-	-	-	-	-	286	-	-	-	-	286	7	-	293
UID East and North Kalimantan	-	-	-	-	-	-	-	197	-	1	-	-	198	9	6	213
UID North, Central Sulawesi and Gorontalo	-	8	9	-	-	-	-	482	-	8	1	1	509	15	21	545
- North Sulawesi	-	3	3	-	-	-	-	176	-	7	1	-	190	1	6	197
- Central Sulawesi	-	5	4	-	-	-	-	302	-	-	-	-	311	10	15	336
- Gorontalo	-	-	2	-	-	-	-	4	-	1	-	1	8	4	-	12
UID South, Southeast and West Sulawesi	-	-	-	-	-	-	-	202	-	10	-	-	212	16	4	232
- South Sulawesi	-	-	-	-	-	-	-	85	-	7	-	-	92	15	3	110
- Southeast Sulawesi	-	-	-	-	-	-	-	112	-	3	-	-	115	1	1	117
- West Sulawesi	-	-	-	-	-	-	-	5	-	-	-	-	5	-	-	5
UIW Maluku and North Maluku	-	-	-	2	-	-	-	775	12	13	-	-	802	1	27	830
- Maluku	-	-	-	2	-	-	-	337	12	8	-	-	359	-	13	372
- North Maluku	-	-	-	-	-	-	-	438	-	5	-	-	443	1	14	458
UIW Papua and West Papua	2	4	13	2	-	-	-	594	18	137	-	-	770	10	24	804
- Papua	-	-	12	-	-	-	-	307	3	84	-	-	406	2	15	423
- West Papua	2	4	1	2	-	-	-	287	15	53	-	-	364	8	9	381
UID Bali	-	-	-	-	-	-	-	1	-	-	3	-	4	7	-	11
UIW West Nusa Tenggara	-	1	3	5	-	-	-	151	20	8	-	-	188	15	8	211
UIW East Nusa Tenggara	-	2	12	4	-	-	5	472	12	44	1	-	552	11	19	582
PT PLN Batam	-	-	-	-	-	3	-	22	3	1	-	-	29	15	4	48
UIP3B Sumatera	-	-	-	-	-	-	-	-	-	-	-	-	-	31	-	31
UIP3B Kalimantan	-	-	-	-	-	-	-	-	-	-	-	-	-	12	-	12
UIP3B Sulawesi	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-	16
UIK Kalimantan	-	-	-	2	-	-	-	104	22	1	-	-	129	2	48	179
UIK Sulawesi	-	-	-	2	3	-	-	45	10	-	-	-	60	-	3	63
UIK Sumatera	-	-	-	4	2	-	-	15	-	-	-	-	21	4	10	35
PLN Indonesia Power - Kalimantan	-	3	-	13	5	3	-	112	2	-	-	-	138	-	-	138
PLN Indonesia Power - Sulawesi	-	-	-	2	2	-	4	18	-	-	-	-	26	-	-	26
PLN Indonesia Power - Sumatera	11	8	2	12	10	4	2	9	11	-	-	-	69	-	-	69
PLN Nusantara Power - Kalimantan	-	-	-	6	1	-	-	159	18	-	-	-	184	-	-	184
PLN Nusantara Power - Sulawesi	3	14	12	10	3	6	-	137	-	-	-	-	185	-	-	185
PLN Nusantara Power - Sumatera	11	-	13	16	10	6	-	50	44	-	-	-	150	-	-	150
PLN Nusantara Power - North Maluku	-	-	-	-	6	-	-	-	-	-	-	-	6	-	-	6
Outside Java	27	41	78	84	42	22	11	5.303	174	243	5	2	6.032	280	203	6.515
UID East Java	-	3	1	-	-	-	-	87	-	14	-	-	105	8	-	113
UID Central Java and Yogyakarta	-	-	4	-	-	-	-	6	-	5	-	-	15	24	-	39
- Jawa Tengah	-	-	3	-	-	-	-	6	-	5	-	-	14	23	-	37
- D.I. Yogyakarta	-	-	1	-	-	-	-	-	-	-	-	-	1	1	-	2
UID West Java	-	-	-	-	-	-	-	-	-	-	-	-	-	30	-	30
UID Banten	-	-	-	-	-	-	-	7	-	-	-	-	7	4	-	11
UID Jakarta Raya	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	1
PLN Indonesia Power - Jawabali	10	50	3	20	13	35	7	25	12	-	-	-	175	-	-	175
PLN Nusantara Power - Jawabali	17	12	5	18	8	32	-	-	3	-	-	-	95	-	-	95
UIP2B	-	-	-	-	-	-	-	-	-	-	-	-	-	41	-	41
UIK Tanjung Jati B	-	-	-	4	-	-	-	-	-	-	-	-	4	-	-	4
Java	27	65	13	42	21	67	7	125	15	20	-	-	402	107	-	509
PLN Nusantara Power - Jawabali	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	1
UIP Western Part of Java	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	1
UIP Eastern Part of Java	2	-	-	-	-	-	-	-	-	-	-	-	2	-	-	2
UIP Eastern Part of Kalimantan	-	-	-	2	-	-	-	-	-	-	-	-	2	-	-	2
UIP Nusa Tenggara	-	-	-	4	-	-	-	-	-	-	-	-	4	-	-	4
UIP Sulawesi	-	-	-	2	-	-	-	-	-	-	-	-	2	-	-	2
Generation Project	2	-	-	9	-	1	-	-	-	-	-	-	12	-	-	12
Indonesia	56	106	91	135	63	90	18	5.428	189	263	5	2	6.446	387	203	7.036

*) PLN's Power Plant, Rented and IPP

Table 21 : National Installed Capacity (MW)

2023

Satuan PLN/Provinsi	Hydro	Mini Hydro	Micro Hydro	Steam	Gas Turbine	Combined Cycle	Geo-thermal	Diesel	Gas Engine	PLT Sun	PLT Wind	PLT Bio-mass	Total	Rent-ed	IPP	Total	(%)
UID Aceh	-	-	2.42	-	-	-	-	139.15	-	-	-	-	141.57	9.00	29.00	179.56	0.25
UID North Sumatera	-	-	-	-	-	-	-	3.99	-	-	-	-	3.99	-	182.45	186.44	0.26
UID West Sumatera	-	-	0.66	-	-	-	-	29.93	-	0.26	-	-	30.84	-	68.58	99.42	0.14
UID Riau and Riau Archipelago	-	-	-	-	-	-	-	245.22	0.20	1.51	-	-	246.93	76.34	309.90	633.17	0.87
- Riau	-	-	-	-	-	-	-	117.34	-	0.15	-	-	117.49	51.90	309.00	478.39	0.66
- Riau Archipelago	-	-	-	-	-	-	-	127.88	0.20	1.36	-	-	129.44	24.44	0.90	154.78	0.21
UID South Sumatera, Jambi and Bengkulu	-	1.00	0.60	-	-	-	-	60.73	-	-	-	-	62.33	19.00	181.88	263.21	0.36
- South Sumatera	-	-	-	-	-	-	-	7.48	-	-	-	-	7.48	-	119.06	126.54	0.17
- Jambi	-	-	-	-	-	-	-	17.27	-	-	-	-	17.27	8.00	21.20	46.48	0.06
- Bengkulu	-	1.00	0.60	-	-	-	-	35.97	-	-	-	-	37.57	11.00	41.62	90.19	0.12
UIW Bangka Belitung	-	-	-	93.00	-	-	-	129.44	-	0.33	-	0.02	222.78	12.00	112.00	346.78	0.48
UID Lampung	-	-	-	-	-	-	-	5.28	-	-	-	-	5.28	-	41.20	46.48	0.06
UID West Kalimantan	-	-	2.02	-	-	-	-	71.85	-	0.41	-	-	74.28	13.50	20.24	108.02	0.15
UID South & Central Kalimantan	-	-	-	-	-	-	-	60.40	-	-	-	-	60.40	-	19.85	80.25	0.11
- South Kalimantan	-	-	-	-	-	-	-	15.33	-	-	-	-	15.33	-	2.40	17.73	0.02
- Central Kalimantan	-	-	-	-	-	-	-	45.08	-	-	-	-	45.08	-	17.45	62.53	0.09
UID East and North Kalimantan	-	-	-	-	-	-	-	40.95	-	0.09	-	-	41.03	0.30	35.46	76.80	0.11
UID North, Central Sulawesi and Gorontalo	-	9.55	5.85	-	-	-	-	173.28	-	2.15	0.08	0.50	191.41	59.54	64.95	315.90	0.43
- North Sulawesi	-	3.40	1.85	-	-	-	-	51.81	-	2.10	0.08	-	59.24	8.54	3.00	70.77	0.10
- Central Sulawesi	-	6.15	2.80	-	-	-	-	119.04	-	-	-	-	127.99	51.00	44.95	223.94	0.31
- Gorontalo	-	-	1.20	-	-	-	-	2.44	-	0.04	-	0.50	4.18	-	17.00	21.18	0.03
UID South, Southeast and West Sulawesi	-	-	-	-	-	-	-	36.55	-	2.50	-	-	39.05	31.12	88.00	158.17	0.22
- South Sulawesi	-	-	-	-	-	-	-	11.05	-	2.09	-	-	13.14	30.00	74.00	117.14	0.16
- Southeast Sulawesi	-	-	-	-	-	-	-	23.48	-	0.41	-	-	23.89	1.12	14.00	39.01	0.05
- West Sulawesi	-	-	-	-	-	-	-	2.02	-	-	-	-	2.02	-	-	2.02	-
UIW Maluku dan Maluku Utara	-	-	-	14.00	-	-	-	257.99	136.02	2.41	-	-	410.42	171.00	5.00	586.42	0.80
- Maluku	-	-	-	14.00	-	-	-	139.77	136.02	1.10	-	-	290.89	131.00	-	421.89	0.58
- North Maluku	-	-	-	-	-	-	-	118.22	-	1.31	-	-	119.53	40.00	5.00	164.53	0.23
UIW Papua and West Papua	20.05	5.13	4.83	24.00	-	-	-	231.68	174.03	8.64	-	-	468.36	92.10	131.46	691.92	0.95
- Papua	-	-	4.67	-	-	-	-	92.34	23.40	4.82	-	-	125.24	53.10	19.56	197.90	0.27
- West Papua	20.05	5.13	0.16	24.00	-	-	-	139.34	150.63	3.82	-	-	343.12	39.00	111.90	494.02	0.68
UID Bali	-	-	-	-	-	-	-	0.20	-	-	0.30	-	0.50	-	6.60	7.10	0.01
UIW West Nusa Tenggara	-	1.00	1.02	107.00	-	-	-	145.31	244.62	1.14	-	-	500.09	60.00	135.75	695.84	0.95
UIW East Nusa Tenggara	-	2.00	3.24	47.00	-	-	12.50	173.40	119.44	9.52	0.09	-	367.19	94.00	49.03	510.23	0.70
PT PLN Batam	-	-	-	-	-	135.29	-	108.91	26.25	1.00	-	-	271.45	125.00	446.92	843.37	1.16
UIP3B Sumatera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,637.44	4,637.44	6.35
UIP3B Kalimantan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,518.00	1,518.00	2.08
UIP3B Sulawesi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,671.00	1,671.00	2.29
UIK Kalimantan	-	-	-	7.00	-	-	-	121.87	212.30	0.34	-	-	341.51	208.09	100	649.61	0.89
UIK Sulawesi	-	-	-	110.00	55.92	-	-	80.14	97.80	-	-	-	343.86	85.00	-	428.86	0.59
UIK Sumatera	-	-	-	155.00	41.45	-	-	54.89	-	-	-	-	251.34	267.38	257.50	776.22	1.06
PLN Indonesia Power - Kalimantan	-	30.00	-	414.00	221.55	60.00	-	252.98	13.94	-	-	-	992.47	-	-	992.47	1.36
PLN Indonesia Power - Sulawesi	-	-	-	100.00	66.80	-	80.00	66.01	-	-	-	-	312.81	-	-	312.81	0.43
PLN Indonesia Power - Sumatera	456.00	32.50	1.32	1,508.00	240.02	160.00	110.00	46.70	104.72	-	-	-	2,659.26	-	-	2,659.26	3.64
PLN Nusantara Power - Kalimantan	-	-	-	360.00	34.00	-	-	285.28	167.68	-	-	-	846.96	-	-	846.96	1.16
PLN Nusantara Power - Sulawesi	139.69	65.16	7.12	355.50	75.00	331.60	-	291.57	-	-	-	-	1,265.63	-	-	1,265.63	1.73
PLN Nusantara Power - Sumatera	364.60	-	7.50	1,244.00	303.86	817.88	-	187.06	571.46	-	-	-	3,496.36	-	-	3,496.36	4.79
PLN Nusantara Power - North Maluku	-	-	-	-	145.00	-	-	-	-	-	-	-	145.00	-	-	145.00	0.20
Outside Java	980.33	146.34	36.59	4,538.50	1,183.59	1,504.77	202.50	3,300.76	1,868.46	30.30	0.47	0.52	13,793.12	1,323.37	10,112.21	25,228.69	34.57
UID East Java	-	11.20	0.65	-	-	-	-	37.56	-	1.35	-	-	50.76	-	25.40	76.16	0.10
UID Central Java and Yogyakarta	-	-	1.16	-	-	-	-	0.61	-	0.28	-	-	2.05	-	37.98	40.02	0.05
- Central Java	-	-	0.97	-	-	-	-	0.61	-	0.28	-	-	1.87	-	37.38	39.24	0.05
- D.I. Yogyakarta	-	-	0.18	-	-	-	-	-	-	-	-	-	0.18	-	0.60	0.78	-
UID West Java	-	-	-	-	-	-	-	-	-	-	-	-	-	-	150.43	150.43	0.21
UID Banten	-	-	-	-	-	-	-	1.22	-	-	-	-	1.22	-	15.60	16.82	0.02
UID Jakarta Raya	-	-	-	-	-	-	-	-	-	0.40	-	-	0.40	-	-	0.40	-
PLN Indonesia Power - Jawabali	930.52	198.69	1.95	7,580.00	682.18	5,868.53	376.76	181.07	199.66	-	-	-	16,019.35	-	-	16,019.35	21.95
PLN Nusantara Power - Jawabali	1,232.00	53.20	4.50	5,410.00	898.20	4,715.80	-	-	3.19	-	-	-	12,316.90	-	-	12,316.90	16.88
UIP2B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16,216.13	16,216.13	22.22
UIK Tanjung Jati B	-	-	-	2,811.40	-	-	-	-	-	-	-	-	2,811.40	-	-	2,811.40	3.85
Java	2,162.52	263.09	8.26	15,801.40	1,580.38	10,584.33	376.76	220.46	202.85	2.03	-	-	31,202.08	-	16,445.53	47,647.61	65.29
UIP Nusa Tenggara	-	-	-	100.00	-	-	-	-	-	-	-	-	100.00	-	-	100.00	0.14
Generation Project*)	-	-	-	100.00	-	-	-	-	-	-	-	-	100.00	-	-	100.00	0.14
Indonesia	3,142.85	409.43	44.84	20,439.90	2,763.97	12,089.10	579.26	3,521.21	2,071.31	32.33	0.47	0.52	45,095.19	1,323.37	26,557.74	72,976.30	100.00
%	4.31	0.56	0.06	28.01	3.79	16.57	0.79	4.83	2.84	0.04	-	-	61.79	1.81	36.39	100.00	100.00

*) Including Projects in Commissioning Stage

Table 22 : Rated Capacity (MW)

PLN Operational Unit/ Province	Hydro	Mini Hydro	Micro Hydro	Steam	Gas Turbine	Combined Cycle	Geothermal
UID Aceh	-	-	1.95	-	-	-	-
UID North Sumatera	-	-	-	-	-	-	-
UID West Sumatera	-	-	0.53	-	-	-	-
UID Riau and Riau Archipelago	-	-	-	-	-	-	-
- Riau	-	-	-	-	-	-	-
- Riau Archipelago	-	-	-	-	-	-	-
UID South Sumatera, Jambi and Bengkulu	-	0.50	0.40	-	-	-	-
- South Sumatera	-	-	-	-	-	-	-
- Jambi	-	-	-	-	-	-	-
- Bengkulu	-	0.50	0.40	-	-	-	-
UIW Bangka Belitung	-	-	-	78.00	-	-	-
UID Lampung	-	-	-	-	-	-	-
UID West Kalimantan	-	-	1.68	-	-	-	-
UID South and Central Kalimantan	-	-	-	-	-	-	-
- South Kalimantan	-	-	-	-	-	-	-
- Central Kalimantan	-	-	-	-	-	-	-
UID East and North Kalimantan	-	-	-	-	-	-	-
UID North, Central Sulawesi and Gorontalo	-	9.39	5.83	-	-	-	-
- North Sulawesi	-	3.40	1.82	-	-	-	-
- Central Sulawesi	-	5.99	2.80	-	-	-	-
- Gorontalo	-	-	1.20	-	-	-	-
UID South, Southeast and West Sulawesi	-	-	-	-	-	-	-
- South Sulawesi	-	-	-	-	-	-	-
- Southeast Sulawesi	-	-	-	-	-	-	-
- West Sulawesi	-	-	-	-	-	-	-
UIW Maluku and North Maluku	-	-	-	12.60	-	-	-
- Maluku	-	-	-	12.60	-	-	-
- North Maluku	-	-	-	-	-	-	-
UIW Papua and West Papua	19.00	4.30	4.03	16.30	-	-	-
- Papua	-	-	3.87	-	-	-	-
- West Papua	19.00	4.30	0.16	16.30	-	-	-
UID Bali	-	-	-	-	-	-	-
UIW West Nusa Tenggara	-	1.00	0.98	83.00	-	-	-
UIW East Nusa Tenggara	-	2.00	2.90	44.00	-	-	9.76
PT PLN Batam	-	-	-	-	-	125.54	-
UIP3B Sumatera	-	-	-	-	-	-	-
UIP3B Kalimantan	-	-	-	-	-	-	-
UIP3B Sulawesi	-	-	-	-	-	-	-
UIK Kalimantan	-	-	-	6.00	-	-	-
UIK Sulawesi	-	-	-	110	50.32	-	-
UIK Sumatera	-	-	-	96.50	36.00	-	-
PLN Indonesia Power - Kalimantan	-	28.50	-	340.60	190	45.60	-
PLN Indonesia Power - Sulawesi	-	-	-	90.77	54.00	-	74.90
PLN Indonesia Power - Sumatera	451.54	31.82	1.08	1,226.50	187.00	113.00	103.84
PLN Nusantara Power - Kalimantan	-	-	-	286.00	30	-	-
PLN Nusantara Power - Sulawesi	139.69	62.73	6.21	314.50	70.50	313.96	-
PLN Nusantara Power - Sumatera	354.44	-	6.79	946.50	228.86	619.00	-
PLN Nusantara Power - North Maluku	-	-	-	-	133.74	-	-
Outside Java	964.66	140.24	32.36	3,651.27	980.42	1,217.10	188.50
UID East Java	-	11.20	0.65	-	-	-	-
UID Central Java and Yogyakarta	-	-	1.04	-	-	-	-
- Central Java	-	-	0.88	-	-	-	-
- D.I. Yogyakarta	-	-	0.16	-	-	-	-
UID West Java	-	-	-	-	-	-	-
UID Banten	-	-	-	-	-	-	-
UID Jakarta Raya	-	-	-	-	-	-	-
PLN Indonesia Power - Jawabali	926.49	189.60	1.91	6,935.60	637.95	5,205.41	356.60
PLN Nusantara Power - Jawabali	1,204.79	50.10	4.43	4,808.00	871.00	4,242.00	-
UIP2B	-	-	-	-	-	-	-
UIK Tanjung Jati B	-	-	-	2,643.80	-	-	-
Java	2,131.28	250.90	8.03	14,387.40	1,508.95	9,447.41	356.60
Generation Project	-	-	-	-	-	-	-
Indonesia	3,095.95	391.13	40.39	18,038.67	2,489.37	10,664.51	545.10
%	4,61	0,58	0,06	26,85	3,70	15,87	0,81

Diesel	Gas Engine	PLT Sun	PLT Wind	PLT Biomass	Total	Rented	IPP	Total	(%)
102.76	-	-	-	-	104.71	9.00	29.00	142.70	0.21
3.07	-	-	-	-	3.07	-	182.45	185.52	0.28
23.71	-	0.21	-	-	24.45	-	68.58	93.03	0.14
196.71	0.20	1.30	-	-	198.21	74.85	309.90	582.96	0.87
92.81	-	0.04	-	-	92.85	51.50	309.00	453.35	0.67
103.90	0.20	1.26	-	-	105.35	23.35	0.90	129.60	0.19
34.19	-	-	-	-	35.09	19.00	179.18	233.27	0.35
4.58	-	-	-	-	4.58	-	117.86	122.44	0.18
8.83	-	-	-	-	8.83	8.00	20.40	37.23	0.06
20.77	-	-	-	-	21.67	11.00	40.92	73.59	0.11
119.19	-	0.33	-	0.02	197.53	12.00	112.00	321.53	0.48
1.50	-	-	-	-	1.50	-	41.20	42.70	0.06
52.37	-	0.37	-	-	54.41	13.50	20.24	88.15	0.13
41.55	-	-	-	-	41.55	-	14.50	56.05	0.08
11.49	-	-	-	-	11.49	-	1.20	12.69	0.02
30.06	-	-	-	-	30.06	-	13.30	43.36	0.06
24.02	-	0.05	-	-	24.07	-	28.81	52.88	0.08
146.67	-	1.94	0.07	0.45	164.35	59.54	64.95	288.84	0.43
45.84	-	1.90	0.07	-	53.03	8.54	3.00	64.57	0.10
98.68	-	-	-	-	107.47	51.00	44.95	203.42	0.30
2.15	-	0.04	-	0.45	3.85	-	17.00	20.85	0.03
29.18	-	2.15	-	-	31.34	30.80	88.00	150.14	0.22
9.40	-	1.82	-	-	11.23	30	74.00	115.23	0.17
18.05	-	0.33	-	-	18.38	0.80	14.00	33.18	0.05
1.73	-	-	-	-	1.73	-	-	1.73	-
197.87	118.89	1.77	-	-	331.13	171.00	5.00	507.13	0.75
105.20	118.89	0.73	-	-	237.42	131.00	-	368.42	0.55
92.67	-	1.03	-	-	93.70	40	5.00	138.70	0.21
178.76	169.50	6.50	-	-	398.40	82.50	125.81	606.71	0.90
71.31	23.40	4.07	-	-	102.65	44.40	18.67	165.72	0.25
107.45	146.10	2.44	-	-	295.75	38.10	107.14	440.99	0.66
0.18	-	-	0.27	-	0.45	-	6.54	6.99	0.01
103.86	240.76	1.14	-	-	430.74	6-	135.75	626.49	0.93
84.52	110.90	8.02	-	-	262.10	94.00	49.03	405.13	0.60
73.89	24.30	1.00	-	-	224.73	125.00	412.20	761.93	1.13
-	-	-	-	-	-	-	4,258.54	4,258.54	6.34
-	-	-	-	-	-	-	1,518.00	1,518.00	2.26
-	-	-	-	-	-	-	1,671.00	1,671.00	2.49
97.69	193.44	0.15	-	-	297.28	182.55	10-	579.83	0.86
72.24	96.84	-	-	-	329.40	85.00	-	414.40	0.62
49.23	-	-	-	-	181.73	267.38	257.50	706.61	1.05
180.54	11.00	-	-	-	796.25	-	-	796.25	1.19
44.80	-	-	-	-	264.47	-	-	264.47	0.39
29.85	93.50	-	-	-	2,238.13	-	-	2,238.13	3.33
180.47	145.60	-	-	-	642.07	-	-	642.07	0.96
194.55	-	-	-	-	1,102.13	-	-	1,102.13	1.64
109.29	529.53	-	-	-	2,794.41	-	-	2,794.41	4.16
-	-	-	-	-	133.74	-	-	133.74	0.20
2,372.67	1,734.45	24.92	0.34	0.47	11,307.41	1,286.11	9,678.18	22,271.70	33.15
28.92	-	1.35	-	-	42.12	-	25.40	67.52	0.10
0.52	-	0.24	-	-	1.80	-	32.94	34.74	0.05
0.52	-	0.24	-	-	1.64	-	32.43	34.07	0.05
-	-	-	-	-	0.16	-	0.51	0.67	-
-	-	-	-	-	-	-	150.43	150.43	0.22
1.22	-	-	-	-	1.22	-	15.60	16.82	0.03
-	-	0.35	-	-	0.35	-	-	0.35	-
169.33	182.40	-	-	-	14,605.28	-	-	14,605.28	21.74
-	3.00	-	-	-	11,183.32	-	-	11,183.32	16.64
-	-	-	-	-	-	-	16,216.13	16,216.13	24.13
-	-	-	-	-	2,643.80	-	-	2,643.80	3.93
200	185.40	1.94	-	-	28,477.90	-	16,440.49	44,918.39	66.85
-	-	-	-	-	-	-	-	-	-
2,572.66	1,919.85	26.87	0.34	0.47	39,785.31	1,286.11	26,118.67	67,190.10	100.00
3.83	2.86	0.04	0.00	0.00	59.21	1.91	38.87	100.00	100.00

Table 23 : Energy Production by Type of Power Plant (GWh)

PLN Operational Unit/ Province	Own Generated									
	Hydro	Mini Hydro	Micro Hydro	Steam	Gas Turbine	Combined Cycle	Geothermal	Diesel	Gas Engine	PLT Sun
UID Aceh	-	-	1.84	-	-	-	-	106.18	-	-
UID North Sumatera	-	-	-	-	-	-	-	5.31	-	-
UID West Sumatera	-	-	-	-	-	-	-	23.05	-	0.01
UID Riau and Riau Archipelago	-	-	-	-	-	-	-	504.51	0.25	0.05
- Riau	-	-	-	-	-	-	-	196.83	-	-
- Riau Archipelago	-	-	-	-	-	-	-	307.69	0.25	0.04
UID South Sumatera, Jambi and Bengkulu	-	-	0.54	-	-	-	-	16.73	-	-
- South Sumatera	-	-	-	-	-	-	-	-	-	-
- Jambi	-	-	-	-	-	-	-	-	-	-
- Bengkulu	-	-	0.54	-	-	-	-	16.73	-	-
UIW Bangka Belitung	-	-	-	586.03	-	-	-	242.92	-	0.02
UID Lampung	-	-	-	-	-	-	-	1.91	-	-
UID West Kalimantan	-	-	4.39	-	-	-	-	88.17	-	0.04
UID South and Central Kalimantan	-	-	-	-	-	-	-	56.47	-	-
- South Kalimantan	-	-	-	-	-	-	-	12.99	-	-
- Central Kalimantan	-	-	-	-	-	-	-	43.47	-	-
UID East and North Kalimantan	-	-	-	-	-	-	-	49.84	-	0.13
UID North, Central Sulawesi and Gorontalo	-	25.11	19.73	-	-	-	-	205.74	-	1.33
- North Sulawesi	-	11.52	6.45	-	-	-	-	57.42	-	1.28
- Central Sulawesi	-	13.59	9.88	-	-	-	-	148.33	-	-
- Gorontalo	-	-	3.39	-	-	-	-	-	-	0.05
UID South, Southeast and West Sulawesi	-	-	-	-	-	-	-	36.38	-	1.87
- South Sulawesi	-	-	-	-	-	-	-	9.73	-	1.75
- Southeast Sulawesi	-	-	-	-	-	-	-	26.66	-	0.11
- West Sulawesi	-	-	-	-	-	-	-	-	-	-
UIW Maluku and North Maluku	-	-	-	99.39	-	-	-	235.22	535.02	-
- Maluku	-	-	-	99.39	-	-	-	111.18	535.02	-
- North Maluku	-	-	-	-	-	-	-	124.05	-	-
UIW Papua and West Papua	56.38	11.62	18.43	55.04	-	-	-	148.42	753.11	2.15
- Papua	1.61	-	18.19	-	-	-	-	82.12	78.74	1.39
- West Papua	54.77	11.62	0.24	55.04	-	-	-	66.30	674.37	0.77
UID Bali	-	-	-	-	-	-	-	-	-	-
UIW West Nusa Tenggara	-	3.40	3.78	659.61	-	-	-	195.42	1,425.52	0.87
UIW East Nusa Tenggara	0.73	7.66	5.27	336.40	-	-	58.14	62.97	326.96	3.72
PT PLN Batam	-	-	-	-	50.45	893.80	-	16.85	133.57	1.35
UIP3B Sumatera	-	-	-	-	-	-	-	-	-	-
UIP3B Kalimantan	-	-	-	-	-	-	-	-	-	-
UIP3B Sulawesi	-	-	-	-	-	-	-	-	-	-
UIK Kalimantan	-	-	-	28.61	-	-	-	19.98	301.02	0.10
UIK Sulawesi	-	-	-	681.57	1.81	16.70	-	-	382.82	-
UIK Sumatera	-	-	-	-	-	-	-	-	-	-
PLN Indonesia Power - Kalimantan	14.94	99.28	-	2,802.18	375.13	23.26	-	224.75	0.36	-
PLN Indonesia Power - Sulawesi	-	-	-	672.40	68.80	-	544.60	110.05	-	-
PLN Indonesia Power - Sumatera	1,966.10	140.88	0.27	7,034.18	413.18	813.78	768.35	13.42	438.76	-
PLN Nusantara Power - Kalimantan	-	-	-	1,973.48	0.40	-	-	334.83	538.03	-
PLN Nusantara Power - Sulawesi	1,004.80	197.02	21.30	2,024.63	185.45	1,120.90	-	366.94	-	-
PLN Nusantara Power - Sumatera	1,499.10	-	45.94	6,401.18	66.60	4,229.98	-	48.36	2,175.90	-
PLN Nusantara Power - North Maluku	-	-	-	-	51.17	-	-	-	-	-
Outside Java	4,542.04	484.98	121.49	23,354.70	1,212.99	7,098.41	1,371.09	3,114.43	7,011.32	11.64
UID East Java	5.86	33.46	2.66	-	-	-	-	79.72	-	0.83
UID Central Java and Yogyakarta	-	-	-	-	-	-	-	0.29	-	0.14
- Central Java	-	-	-	-	-	-	-	0.29	-	0.14
- D.I. Yogyakarta	-	-	-	-	-	-	-	-	-	-
UID West Java	-	-	-	-	-	-	-	-	-	-
UID Banten	-	-	-	-	-	-	-	1.03	-	-
UID Jakarta Raya	-	-	-	-	-	-	-	-	-	0.24
PLN Indonesia Power - Jawabali	2,489.87	580.40	7.41	43,978.25	376.41	15,598.92	2,939.41	211.83	1,210.58	-
PLN Nusantara Power - Jawabali	2,172.24	201.06	13.60	28,060.53	62.65	14,028.90	-	-	21.05	-
UIP2B	-	-	-	-	-	-	-	-	-	-
UIK Tanjung Jati B	-	-	-	19,205.06	-	-	-	-	-	-
Java	4,667.97	814.92	23.68	91,243.85	439.06	29,627.82	2,939.41	292.86	1,231.64	1.21
Generation Projects	-	-	-	-	-	-	-	-	-	-
Indonesia	9,210.01	1,299.90	145.16	114,598.55	1,652.05	36,726.23	4,310.50	3,407.29	8,242.96	12.84
%	2.85	0.40	0.04	35.44	0.51	11.36	1.33	1.05	2.55	0.00

		Rented Generated							Sub Total	Purchased and Project	Total	%
PLT Wind	PLT Biomass	Diesel	Gas Engine	Gas Turbine	Combined Cycle	Steam	Hydro	PLT Sun				
-	-	42.99	-	-	-	-	-	-	151.01	115.92	266.93	0.08
-	-	-	-	-	-	-	-	-	5.31	1,096.75	1,102.06	0.34
-	-	-	-	-	-	-	-	-	23.05	301.64	324.70	0.10
-	-	147.80	153.04	-	-	-	-	-	805.65	2,211.02	3,016.67	0.93
-	-	89.09	153.04	-	-	-	-	-	438.96	2,203.96	2,642.92	0.82
-	-	58.71	-	-	-	-	-	-	366.69	7.05	373.74	0.12
-	-	90.71	44.00	-	-	-	-	-	151.97	886.08	1,038.05	0.32
-	-	-	-	-	-	-	-	-	0.00	595.37	595.37	0.18
-	-	-	44.00	-	-	-	-	-	44.00	73.81	117.81	0.04
-	-	90.71	-	-	-	-	-	-	107.97	216.90	324.88	0.10
-	0.01	37.18	-	-	-	-	-	-	866.16	293.27	1,159.43	0.36
-	-	-	-	-	-	-	-	-	1.91	67.43	69.34	0.02
-	-	91.39	-	-	-	-	-	-	183.99	43.84	227.83	0.07
-	-	-	-	-	-	-	-	-	56.47	65.90	122.37	0.04
-	-	-	-	-	-	-	-	-	12.99	10.93	23.92	0.01
-	-	-	-	-	-	-	-	-	43.47	54.98	98.45	0.03
-	-	0.34	-	-	-	-	-	-	50.30	134.48	184.79	0.06
-	-	393.64	-	-	-	-	-	-	645.55	317.59	963.14	0.30
-	-	43.21	-	-	-	-	-	-	119.89	18.28	138.17	0.04
-	-	350.43	-	-	-	-	-	-	522.23	256.25	778.47	0.24
-	-	-	-	-	-	-	-	-	3.44	43.06	46.50	0.01
-	-	18.63	-	-	-	-	-	-	56.88	411.63	468.51	0.14
-	-	18.04	-	-	-	-	-	-	29.52	320.98	350.50	0.11
-	-	0.59	-	-	-	-	-	-	27.36	90.65	118.01	0.04
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	636.15	-	-	-	-	-	-	1,505.79	21.06	1,526.85	0.47
-	-	402.85	-	-	-	-	-	-	1,148.44	0.00	1,148.44	0.36
-	-	233.30	-	-	-	-	-	-	357.35	21.06	378.41	0.12
-	-	506.47	-	-	-	-	-	-	1,551.62	700.36	2,251.98	0.70
-	-	269.85	-	-	-	-	-	-	451.89	108.71	560.60	0.17
-	-	236.62	-	-	-	-	-	-	1,099.73	591.66	1,691.39	0.52
-	-	-	-	-	-	-	-	-	-	13.49	13.49	-
-	-	310.34	-	-	-	-	-	-	2,598.94	340.62	2,939.57	0.91
-	-	451.28	-	-	-	-	-	-	1,253.12	245.85	1,498.97	0.46
-	-	1.84	320.60	-	-	-	-	-	1,418.45	2,569.37	3,987.82	1.23
-	-	-	-	-	-	-	-	-	-	19,349.58	19,349.58	5.98
-	-	-	-	-	-	-	-	-	-	7,807.19	7,807.19	2.41
-	-	-	-	-	-	-	-	-	-	7,529.25	7,529.25	2.33
-	-	322.72	232.68	-	-	99.79	-	-	1,004.91	19.95	1,024.86	0.32
-	-	4.91	-	-	-	307.24	-	-	1,395.03	-	1,395.03	0.43
-	-	18.23	143.42	-	-	-	-	-	161.65	489.23	650.88	0.20
-	-	-	-	-	-	-	-	-	3,539.90	-	3,539.90	1.09
-	-	-	-	-	-	-	-	-	1,395.86	-	1,395.86	0.43
-	-	-	-	-	-	-	-	-	11,588.93	-	11,588.93	3.58
-	-	-	-	-	-	-	-	-	2,846.75	-	2,846.75	0.88
-	-	-	-	-	-	-	-	-	4,921.05	-	4,921.05	1.52
-	-	-	-	-	-	-	-	-	14,467.05	-	14,467.05	4.47
-	-	-	-	-	-	-	-	-	51.17	-	51.17	0.02
-	0.01	3,074.60	893.74	-	-	407.03	-	-	52,698.47	45,031.50	97,729.97	30.23
-	-	-	-	-	-	-	-	-	122.54	51.85	174.39	0.05
-	-	-	-	-	-	-	-	-	0.42	109.53	109.96	0.03
-	-	-	-	-	-	-	-	-	0.42	106.05	106.48	0.03
-	-	-	-	-	-	-	-	-	-	3.48	3.48	-
-	-	-	-	-	-	-	-	-	-	438.96	438.96	0.14
-	-	-	-	-	-	-	-	-	1.03	45.97	47.00	0.01
-	-	-	-	-	-	-	-	-	0.24	-	0.24	-
-	-	-	-	-	-	-	-	-	67,393.08	-	67,393.08	20.84
-	-	-	-	-	-	-	-	-	44,560.05	0.08	44,560.13	13.78
-	-	-	-	-	-	-	-	-	-	93,079.85	93,079.85	28.79
-	-	-	-	-	-	-	-	-	19,205.06	-	19,205.06	5.94
-	-	-	-	-	-	-	-	-	131,282.41	93,726.25	225,008.67	69.59
-	-	-	-	-	-	-	-	-	-	581.98	581.98	0.18
-	0.01	3,074.60	893.74	-	-	407.03	-	-	183,980.89	139,339.73	323,320.62	100.00
0.00	0.00	0.95	0.28	0.00	0.00	0.13	0.00	0.00	56.90	43.10	100.00	

Table 24 : Consumption of Fuel

2023

PLN Operational Unit/ Province	Oil (kilo litre)									Coal (ton)	Natural Gas (MMSCF)	Biomass (ton)	
	HSD	IDO	MFO	Bio Diesel	Olein	Bio HSD	HFO	Bio Fame	CPO				Total
UID Aceh	-	-	-	-	-	28,741.01	-	15,129.68	-	43,870.69	-	-	-
UID North Sumatera	-	-	-	-	-	1,453.13	-	622.77	-	2,075.91	-	-	-
UID West Sumatera	-	-	-	-	-	4,977.21	-	2,586.52	-	7,563.72	-	-	-
UID Riau and Riau Archipelago	-	-	-	-	-	126,167.08	-	61,748.97	-	187,916.05	-	1,512.94	-
- Riau	-	-	-	-	-	54,937.22	-	25,161.87	-	80,099.09	-	1,512.94	-
- Riau Archipelago	-	-	-	-	-	71,229.85	-	36,587.11	-	107,816.96	-	-	-
UID South Sumatera, Jambi and Bengkulu	-	-	-	-	-	19,449.40	-	9,917.75	-	29,367.15	-	489.09	-
- South Sumatera	-	-	-	-	-	-	-	-	-	-	-	-	-
- Jambi	-	-	-	-	-	-	-	-	-	-	-	489.09	-
- Bengkulu	-	-	-	-	-	19,449.40	-	9,917.75	-	29,367.15	-	-	-
UIW Bangka Belitung	77,096.98	-	-	-	-	52,574.42	-	27,118.29	-	156,789.69	575,306.29	-	17,680.56
UID Lampung	-	-	-	-	-	501.93	-	202.51	-	704.44	-	-	-
UID West Kalimantan	-	-	-	-	-	35,424.31	-	17,440.09	-	52,864.39	-	-	-
UID South and Central Kalimantan	-	-	-	-	-	13,105.19	-	5,657.88	-	18,763.07	-	-	-
- South Kalimantan	-	-	-	-	-	3,402.81	-	924.84	-	4,327.66	-	-	-
- Central Kalimantan	-	-	-	-	-	9,702.38	-	4,733.03	-	14,435.41	-	-	-
UID East and North Kalimantan	-	-	-	-	-	10,325.58	-	5,462.09	-	15,787.68	-	-	-
UID North, Central Sulawesi and Gorontalo	-	-	-	-	-	121,570.77	-	52,101.76	-	173,672.53	-	-	-
- North Sulawesi	-	-	-	-	-	21,211.64	-	9,090.70	-	30,302.35	-	-	-
- Central Sulawesi	-	-	-	-	-	100,359.13	-	43,011.06	-	143,370.19	-	-	-
- Gorontalo	-	-	-	-	-	-	-	-	-	-	-	-	-
UID South, Southeast and West Sulawesi	-	-	-	-	-	11,202.77	-	4,728.58	-	15,931.35	-	-	-
- South Sulawesi	-	-	-	-	-	5,612.78	-	2,332.87	-	7,945.65	-	-	-
- Southeast Sulawesi	-	-	-	-	-	5,589.99	-	2,395.71	-	7,985.69	-	-	-
- West Sulawesi	-	-	-	-	-	-	-	-	-	-	-	-	-
UIW Maluku and North Maluku	1,537.00	-	-	-	-	257,539.85	-	122,009.06	-	381,085.91	112,416.89	-	27.16
- Maluku	1,537.00	-	-	-	-	187,265.01	-	89,468.30	-	278,270.31	112,416.89	-	27.16
- North Maluku	-	-	-	-	-	70,274.84	-	32,540.76	-	102,815.60	-	-	-
UIW Papua and West Papua	375.33	-	-	-	-	316,643.73	-	143,632.39	-	460,651.45	69,949.94	2,340.85	1,273.20
- Papua	-	-	-	-	-	100,793.18	-	45,349.85	-	146,143.03	-	-	-
- West Papua	375.33	-	-	-	-	215,850.55	-	98,282.55	-	314,508.42	69,949.94	2,340.85	1,273.20
UID Bali	-	-	-	-	-	-	-	-	-	-	-	-	-
UIW West Nusa Tenggara	39,942.71	-	90,203.31	-	-	248,352.27	-	123,657.11	-	502,155.39	648,977.30	-	11,015.36
UIW East Nusa Tenggara	-	-	34,344.56	-	-	131,445.97	-	53,364.04	-	219,154.57	533,265.49	-	1,985.03
PT PLN Batam	-	-	3,663.62	-	-	964.14	-	470.15	-	5,097.91	547,320.42	28,092.18	-
UIP3B Sumatera	-	-	-	-	-	-	-	-	-	-	-	9,006.54	-
UIP3B Kalimantan	-	-	-	-	-	-	-	-	-	-	-	-	-
UIP3B Sulawesi	-	-	-	-	-	-	-	-	-	-	-	-	-
UIK Kalimantan	6,517.05	-	-	-	-	79,970.12	-	39,190.74	-	125,677.91	92,755.82	4,300.71	0.07
UIK Sulawesi	1,149.31	-	-	-	-	66,878.89	-	33,975.62	-	102,003.81	801,398.34	109.73	-
UIK Sumatera	6,886.61	-	-	-	-	3,626.17	-	1,768.20	-	12,280.98	-	6,957.18	-
PLN Indonesia Power - Kalimantan	543.77	-	340.62	-	-	41,525.01	-	20,118.03	-	62,527.44	2,350,423.99	5,582.44	20,508.56
PLN Indonesia Power - Sulawesi	29,486.42	-	-	-	-	20,566.97	-	10,478.61	-	60,532.00	557,289.24	-	3,716.00
PLN Indonesia Power - Sumatera	5,664.74	799.33	-	-	-	11,540.87	-	4,919.70	-	22,924.65	4,896,734.12	15,493.94	23,927.42
PLN Nusantara Power - Kalimantan	163.69	-	2,663.71	-	-	60,613.97	-	29,697.61	-	93,138.99	1,613,215.21	4,821.19	14,873.63
PLN Nusantara Power - Sulawesi	924.71	-	28,570.80	-	-	45,355.46	-	22,922.08	-	97,773.05	1,633,007.16	12,844.95	13,730.68
PLN Nusantara Power - Sumatera	42,641.66	-	-	-	-	42,221.72	-	20,974.00	-	105,837.38	4,611,347.28	56,450.12	59,769.98
PLN Nusantara Power - North Maluku	24,913.54	-	-	-	-	-	-	-	-	24,913.54	-	-	-
Outside Java	237,843.52	799.33	159,786.62	-	-	1,752,737.93	-	829,894.24	-	2,981,061.64	19,043,407.48	148,001.87	168,507.65
UID East Java	-	-	-	-	-	14,682.12	-	7,108.10	-	21,790.22	-	-	-
UID Central Java and Yogyakarta	-	-	-	-	-	93.96	-	-	-	93.96	-	-	-
- Central Java	-	-	-	-	-	93.96	-	-	-	93.96	-	-	-
- D.I. Yogyakarta	-	-	-	-	-	-	-	-	-	-	-	-	-
UID West Java	-	-	-	-	-	-	-	-	-	-	-	-	-
UID Banten	-	-	-	-	-	201.11	-	97.05	-	298.15	-	-	-
UID Jakarta Raya	-	-	-	-	-	-	-	-	-	-	-	-	-
PLN Indonesia Power - Jawabali	117,642.27	-	41,628.21	-	-	15,632.39	-	6,964.62	-	181,867.49	25,933,845.54	135,866.02	444,974.59
PLN Nusantara Power - Jawabali	6,205.33	-	19,656.61	-	-	3,701.04	-	1,586.16	-	31,149.14	15,850,092.34	133,171.59	377,295.15
UIP2B	-	-	-	-	-	-	-	-	-	-	-	-	-
UIK Tanjung Jati B	-	-	-	-	-	2,075.76	-	889.61	-	2,965.36	8,046,237.45	-	-
Java	123,847.60	-	61,284.81	-	-	36,386.37	-	16,645.54	-	238,164.32	49,830,175.33	269,037.61	822,269.74
Generation Project	-	-	-	-	-	4,779.69	-	947.06	-	5,726.75	349,353.18	-	-
Indonesia	361,691.12	799.33	221,071.43	-	-	1,793,903.99	-	847,486.84	-	3,224,952.72	69,222,935.99	417,039.48	990,777.39

Note: Consumption of Fuel from Generation own by PLN, rented, IPP and Project

Table 25 : Unit Price of Fuel**2023**

PLN Operational Unit/Province	Oil (Rp/litre)*				Coal (Rp/kg)	Natural Gas (Rp/ MMSCF)	Geo- thermal (Rp/kWh)
	HSD **)	IDO	MFO	Average			
UID Aceh	11,429.15	-	-	11,429.15	-	-	-
UID North Sumatera	12,787.85	-	-	12,787.79	-	-	-
UID West Sumatera	12,579.35	-	-	12,579.37	-	-	-
UID Riau and Riau Archipelago	12,233.92	-	-	12,233.92	-	70,629.84	-
UID South Sumatera, Jambi and Bengkulu	12,028.68	-	-	12,028.68	-	101,993.97	-
UIW Bangka Belitung	12,695.63	-	-	12,695.63	814.51	-	-
UID Lampung	14,624.70	-	-	14,624.70	-	-	-
UID West Kalimantan	12,616.46	-	-	12,616.47	-	-	-
UID South and Central Kalimantan	12,881.63	-	-	12,881.63	-	-	-
UID East and North Kalimantan	15,095.76	-	-	15,095.75	-	-	-
UID North, Central Sulawesi, and Gorontalo	12,065.79	-	-	12,065.79	-	-	-
UID South, Southeast and West Sulawesi	8,543.28	-	-	8,543.28	-	-	-
UIW Maluku and North Maluku	13,100.77	-	-	13,100.77	916.02	-	-
UIW Papua and West Papua	12,422.81	-	-	12,422.81	1,635.45	-	-
UID Bali	-	-	-	-	-	-	-
UIW West Nusa Tenggara	11,861.77	-	8,372.34	11,234.95	930.05	-	-
UIW East Nusa Tenggara	11,764.33	-	-	11,764.33	1,014.46	-	64.64
PT PLN Batam	14,186.63	-	7,327.63	9,257.40	1,052.97	70,800.54	-
O u t s i d e J a v a	12,653.22	7,849.99	12,197.79	1,060.58	81,141.45	64.64	
UID East Java	13,008.97	-	-	13,008.97	-	-	-
UID Central Java and Yogyakarta	-	-	-	-	-	-	-
UID West Java	-	-	-	-	-	-	-
UID Banten	12,717.49	-	-	12,717.92	-	-	-
UID Jakarta Raya	-	-	-	-	-	-	-
PLN Indonesia Power	14,366.16	13,137.86	8,531.55	15,658.97	999.76	121,872.48	980.01
PLN Nusantara Power	12,926.96	-	7,967.02	14,269.86	889.82	140,670.52	-
UIK Tanjung Jati B	28,263.50	-	-	28,263.59	1,093.19	-	-
UIK Western Part of Java	-	-	-	-	-	-	-
UIK Central Part of Java	-	-	-	-	-	-	-
UIK Eastern Part of Java, Bali and Nusra	-	-	-	-	-	-	-
J a v a	16,256.62	13,137.86	8,249.29	16,783.86	994.26	131,271.50	980.01
I n d o n e s i a **)	14,390.62	13,137.86	8,277.16	14,490.83	1,027.42	106,206.48	522.32

*) BBM Unit price (HSD, IDO, MFO) including transportation costs and fuel mix cost (biodiesel, etc).

**) Including project fuel.

Table 26 : Energy Production by Type of Fuel (GWh)

2023

PLN Operational Unit/Province	Oil (Kilo litre)										Coal	Natural Gas	Bio-mass	Total
	HSD	IDO	MFO	Bio-diesel	Olein	Bio HSD	HFO	Bio Fame	CPO	Total				
UID Aceh	-	-	-	-	-	102.22	-	46.95	-	149.17	-	-	-	149.17
UID North Sumatera	-	-	-	-	-	3.71	-	1.59	-	5.31	-	-	29.89	35.20
UID West Sumatera	-	-	-	-	-	15.83	-	7.22	-	23.05	-	-	0.97	24.02
UID Riau and Riau Archipelago	-	-	-	-	-	457.28	-	195.74	-	653.02	-	2,345.62	17.99	3,016.62
- Riau	-	-	-	-	-	204.74	-	81.89	-	286.62	-	2,345.36	10.93	2,642.92
- Riau Archipelago	-	-	-	-	-	252.54	-	113.86	-	366.39	-	0.25	7.05	373.70
UID South Sumatera, Jambi and Bengkulu	-	-	-	-	-	74.45	-	32.98	-	107.43	189.69	409.76	17.84	724.73
- South Sumatera	-	-	-	-	-	-	-	-	-	-	150.96	331.71	7.09	489.77
- Jambi	-	-	-	-	-	-	-	-	-	-	38.73	78.04	0.41	117.18
- Bengkulu	-	-	-	-	-	74.45	-	32.98	-	107.43	-	-	10.34	117.77
UIW Bangka Belitung	233.41	-	-	-	-	184.78	-	95.32	-	513.51	570.22	-	75.68	1,159.41
UID Lampung	-	-	-	-	-	1.39	-	0.52	-	1.91	10.56	-	11.54	24.01
UID West Kalimantan	-	-	-	-	-	121.78	-	57.78	-	179.56	-	-	21.36	200.92
UID South and Central Kalimantan	-	-	-	-	-	38.68	-	17.79	-	56.47	14.06	-	51.85	122.37
- South Kalimantan	-	-	-	-	-	9.10	-	3.89	-	12.99	-	-	10.93	23.92
- Central Kalimantan	-	-	-	-	-	29.57	-	13.90	-	43.47	14.06	-	40.92	98.45
UID East and North Kalimantan	-	-	-	-	-	34.37	-	15.80	-	50.17	117.24	-	17.24	184.66
UID North, Central Sulawesi and Gorontalo	-	-	-	-	-	429.89	-	169.50	-	599.39	54.09	-	-	653.48
- North Sulawesi	-	-	-	-	-	72.17	-	28.46	-	100.63	-	-	-	100.63
- Central Sulawesi	-	-	-	-	-	357.72	-	141.04	-	498.76	54.09	-	-	552.85
- Gorontalo	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UID South, Southeast and West Sulawesi	-	-	-	-	-	40.09	-	14.92	-	55.01	90.65	-	-	145.66
- South Sulawesi	-	-	-	-	-	20.23	-	7.53	-	27.77	-	-	-	27.77
- Southeast Sulawesi	-	-	-	-	-	19.85	-	7.39	-	27.24	90.65	-	-	117.89
- West Sulawesi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UIW Maluku and North Maluku	6.03	-	-	-	-	977.92	-	422.45	-	1,406.40	120.42	-	0.03	1,526.85
- Maluku	6.03	-	-	-	-	723.10	-	319.92	-	1,049.05	99.37	-	0.03	1,148.44
- North Maluku	-	-	-	-	-	254.82	-	102.53	-	357.35	21.06	-	-	378.41
UIW Papua and West Papua	1.39	-	-	-	-	1,192.78	-	576.21	-	1,770.38	53.11	322.55	16.31	2,162.35
- Papua	-	-	-	-	-	360.48	-	178.93	-	539.41	-	-	-	539.41
- West Papua	1.39	-	-	-	-	832.30	-	397.28	-	1,230.97	53.11	322.55	16.31	1,622.94
UID Bali	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UIW Nusa Tenggara	115.93	-	366.93	-	-	1,082.23	-	482.11	-	2,047.20	777.68	-	8.28	2,833.16
UIW East Nusa Tenggara	-	-	143.07	-	-	508.17	-	189.97	-	841.21	519.90	-	2.00	1,363.11
PT PLN Batam	-	-	13.89	-	-	3.23	-	1.57	-	18.69	730.28	3,237.50	-	3,986.47
UIP3B Sumatera	-	-	-	-	-	-	-	-	-	-	8,867.59	2,577.95	-	11,445.54
UIP3B Kalimantan	-	-	-	-	-	-	-	-	-	-	6,332.25	496.59	107.93	6,936.76
UIP3B Sulawesi	-	-	-	-	-	-	-	-	-	-	4,559.36	-	-	4,559.36
UIK Kalimantan	20.39	-	-	-	-	292.43	-	142.90	-	455.72	128.38	440.63	0.02	1,024.76
UIK Sulawesi	1.81	-	-	-	-	257.33	-	130.39	-	389.53	988.80	16.70	-	1,395.03
UIK Sumatera	18.80	-	-	-	-	12.42	-	5.81	-	37.03	-	613.85	-	650.88
PLN Indonesia Power - Kalimantan	1.17	-	1.23	-	-	157.20	-	66.33	-	225.92	2,782.83	397.58	19.35	3,425.68
PLN Indonesia Power - Sulawesi	68.80	-	-	-	-	72.91	-	37.14	-	178.85	668.19	-	4.21	851.26
PLN Indonesia Power - Sumatera	10.88	3.46	-	-	-	6.97	-	2.99	-	24.30	7,009.57	1,654.84	24.61	8,713.32
PLN Nusantara Power - Kalimantan	0.40	-	9.72	-	-	217.69	-	107.42	-	335.24	1,957.07	538.03	16.41	2,846.75
PLN Nusantara Power - Sulawesi	2.95	-	126.43	-	-	159.72	-	80.79	-	369.89	2,012.60	1,303.41	12.03	3,697.92
PLN Nusantara Power - Sumatera	122.11	-	-	-	-	145.51	-	74.39	-	342.02	6,334.09	6,178.81	67.09	12,922.01
PLN Nusantara Power - North Maluku	51.17	-	-	-	-	-	-	-	-	51.17	-	-	-	51.17
Outside Java	655.25	3.46	661.27	-	-	6,590.98	-	2,976.59	-	10,887.55	44,888.63	20,533.83	522.62	76,832.63
UID East Java	-	-	-	-	-	53.71	-	26.01	-	79.72	-	-	33.61	113.33
UID Central Java and Yogyakarta	-	-	-	-	-	0.29	-	-	-	0.29	-	-	-	0.29
- Central Java	-	-	-	-	-	0.29	-	-	-	0.29	-	-	-	0.29
- D.I. Yogyakarta	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UID West Java	-	-	-	-	-	-	-	-	-	-	-	-	27.73	27.73
UID Banten	-	-	-	-	-	0.69	-	0.34	-	1.03	-	-	-	1.03
UID Jakarta Raya	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PLN Indonesia Power - JawaBali	307.27	-	187.63	-	-	15.94	-	6.80	-	517.64	43,523.36	16,880.10	454.89	61,376.00
PLN Nusantara Power - JawaBali	24.51	-	75.08	-	-	-	-	-	-	99.59	25,716.80	15,941.18	415.66	42,173.22
Unit UIP2B	-	-	-	-	-	-	-	-	-	-	82,861.03	2,623.89	-	85,484.93
UIK Tanjung Jati B	-	-	-	-	-	-	-	-	-	-	19,205.06	-	-	19,205.06
Java	331.78	-	262.70	-	-	70.63	-	33.15	-	698.26	171,306.25	35,445.17	931.90	208,381.58
Generation Project	-	-	-	-	-	-	-	-	-	-	581.98	-	-	581.98
Indonesia	987.03	3.46	923.97	-	-	6,661.60	-	3,009.74	-	11,585.81	216,776.86	55,979.00	1,454.52	285,796.19

Note: Energy Production from Generation own by PLN, rented, IPP and Project

Table 27 : Captive Power
2023

PLN Operational Unit/Province	Number of Captive Power (CP)			Installed Capacity (kVA)			kVA PLN Connected with Reserve CP
	Pure CP	Reserve CP	Total	Pure CP	Reserve CP	Total	
UID Aceh	15	-	15	34,200.00	-	34,200.00	-
UID North Sumatera	-	256	256	-	-	-	168,231.60
UID West Sumatera	19	-	19	38,192.00	-	38,192.00	-
UID Riau and Riau Archipelago	133	3	136	518,470.50	29,411.76	547,882.26	19,565.00
- Riau	113	-	113	512,107.60	-	512,107.60	-
- Riau Archipelago	20	3	23	6,362.90	29,411.76	35,774.66	19,565.00
UID South Sumatera, Jambi and Bengkulu	-	-	-	-	-	-	-
- South Sumatera	-	-	-	-	-	-	-
- Jambi	-	-	-	-	-	-	-
- Bengkulu	-	-	-	-	-	-	-
UIW Bangka Belitung	3	-	3	1,140.00	-	1,140.00	-
UID Lampung	25	-	25	25,307.00	-	25,307.00	-
UID West Kalimantan	2	205	207	3,115.00	187,079.00	190,194.00	187,079.00
UID South and Central Kalimantan	-	1	1	-	345.00	345.00	345.00
- South Kalimantan	-	1	1	-	345.00	345.00	345.00
- Central Kalimantan	-	-	-	-	-	-	-
UID East and North Kalimantan	14	-	14	86.48.00	-	86.48	-
UID North, Central Sulawesi and Gorontalo	16	-	16	22,670.00	-	22,670	-
- North Sulawesi	3	-	3	15,195.00	-	15,195.00	-
- Central Sulawesi	10	-	10	6,020.00	-	6,020.00	-
- Gorontalo	3	-	3	1,455.00	-	1,455.00	-
UID South, Southeast and West Sulawesi	-	-	-	-	-	-	-
- South Sulawesi	-	-	-	-	-	-	-
- Southeast Sulawesi	-	-	-	-	-	-	-
- West Sulawesi	-	-	-	-	-	-	-
UIW Maluku and North Maluku	5	-	5	53,860,000.00	-	53,860,000.00	-
- Maluku	2	-	2	2,055,000.00	-	2,055,000.00	-
- North Maluku	3	-	3	51,805,000.00	-	51,805,000.00	-
UIW Papua and West Papua	-	-	-	-	-	-	-
- Papua	-	-	-	-	-	-	-
- West Papua	-	-	-	-	-	-	-
UID Bali	-	513	513	-	434,958.00	434,958.00	520,643.00
UIW West Nusa Tenggara	-	-	-	-	-	-	-
UIW East Nusa Tenggara	-	-	-	-	-	-	-
PT PLN Batam	1	14	15	18,000.00	139,517.00	157,517.00	63,145.90
PT PLN Nusa Daya*)	-	-	-	-	-	-	-
UIP3B Sumatera	-	-	-	-	-	-	-
UIP3B Kalimantan	-	-	-	-	-	-	-
UIP3B Sulawesi	-	-	-	-	-	-	-
Outside Java	233	992	1,225	54,521,180.98	791,310.76	55,312,491.75	959,009.50
UID East Java	-	-	-	-	-	-	-
UID Central Java and Yogyakarta	-	-	-	-	-	-	-
- Central Java	-	-	-	-	-	-	-
- D.I. Yogyakarta	-	-	-	-	-	-	-
UID West Java	-	-	-	-	747,655.00	747,655.00	1,493,861.00
UID Banten	9	13	22	886.00	332,235.00	333,121.00	573.69
UID Jakarta Raya	-	6	6	-	63,977.00	63,977.00	64,300.00
PLN Indonesia Power	-	-	-	-	-	-	-
PLN Nusantara Power	-	-	-	-	-	-	-
UIP2B	-	-	-	-	-	-	-
J a v a	9	19	28	886.00	1,143,867.00	1,144,753.00	1,558,734.69
Indonesia	242	1,011	1,253	54,522,066.98	1,935,177.76	56,457,244.75	2,517,744.19

Notes:

CP Pure = Business/Government/Private that use own electric power as main resources in the production process

CP Reserve = Captive Power that become a customer of PLN

*) Previously it was PT PLN Tarakan

Table 28 : Length of Transmission Lines (kmc)

2023

PLN Operational Unit/Province	Voltage					Total
	25 - 30 kV	70 kV	150 kV	275 kV	500 kV	
UID Aceh	-	-	-	-	-	-
UID North Sumatera	-	-	-	-	-	-
UID West Sumatera	-	-	-	-	-	-
UID Riau and Riau Archipelago	-	-	179.08	-	-	179.08
- Riau	-	-	-	-	-	-
- Riau Archipelago	-	-	179.08	-	-	179.08
UID South Sumatera, Jambi and Bengkulu	-	-	-	-	-	-
- South Sumatera	-	-	-	-	-	-
- Jambi	-	-	-	-	-	-
- Bengkulu	-	-	-	-	-	-
UIW Bangka Belitung	-	140.06	751.57	-	-	891.64
UID Lampung	-	-	-	-	-	-
UID West Kalimantan	-	-	1,916.96	162.74	-	2,079.71
UID South and Central Kalimantan	-	123.08	4,410.47	-	-	4,533.55
- South Kalimantan	-	123.08	1,993.73	-	-	2,116.81
- Central Kalimantan	-	-	2,416.74	-	-	2,416.74
UID East and North Kalimantan	-	-	2,158.81	-	-	2,158.81
UID North, Central Sulawesi and Gorontalo	0.76	450.62	2,421.61	-	-	2,872.99
- North Sulawesi	0.76	306.82	1,206.14	-	-	1,513.72
- Central Sulawesi	-	143.80	629.93	-	-	773.73
- Gorontalo	-	-	585.53	-	-	585.53
UID South, Southeast and West Sulawesi	3.40	145.30	5,828.08	3.41	-	5,980.19
- South Sulawesi	3.40	119.90	3,264.96	3.41	-	3,391.67
- Southeast Sulawesi	-	25.40	1,611.35	-	-	1,636.75
- West Sulawesi	-	-	951.77	-	-	951.77
UIW Maluku and North Maluku	-	196.30	175.05	-	-	371.34
- Maluku	-	196.30	92.61	-	-	288.90
- North Maluku	-	-	82.44	-	-	82.44
UIW Papua and West Papua	-	204.18	84.90	-	-	289.08
- Papua	-	204.18	53.90	-	-	258.08
- West Papua	-	-	31.00	-	-	31.00
UID Bali	-	-	-	-	-	-
UIW West Nusa Tenggara	-	344.42	889.61	-	-	1,234.03
UIW East Nusa Tenggara	-	968.17	657.72	-	-	1,625.89
PT PLN Batam	-	-	200.91	-	-	200.91
PT PLN Nusa Daya *)	-	-	-	-	-	-
UIP3B Sumatera	-	531.21	16,425.63	4,240.08	400.42	21,597.34
UIP3B Sulawesi	0.38	553.12	7,723.81	3.67	-	8,280.98
UIP3B Kalimantan	-	94.23	8,220.28	162.75	-	8,477.26
Outside Java	4.54	3,750.70	52,044.47	4,572.66	400.42	60,772.79
UID East Java	-	-	-	-	-	-
UID Central Java and Yogyakarta	-	-	-	-	-	-
- Central Java	-	-	-	-	-	-
- D.I. Yogyakarta	-	-	-	-	-	-
UID West Java	-	-	-	-	-	-
UID Banten	-	-	-	-	-	-
UID Jakarta Raya	-	-	-	-	-	-
PLN Indonesia Power	-	-	-	-	-	-
PLN Nusantara Power	-	-	-	-	-	-
UIT Western Part of Java	-	237.39	2,612.60	-	1,217.02	4,067.01
UIT Central Part of Java	40.64	1,491.04	8,463.88	-	4,233.23	14,228.79
UIT Eastern Part of Java and Bali	56.15	1,268.01	5,954.97	-	1,343.76	8,622.90
Java	96.79	2,996.44	17,031.45	-	6,794.01	26,918.69
Indonesia	101.33	6,747.14	69,075.92	4,572.67	7,194.43	87,691.48

Notes: Voltage of 25-30 kV not included in the distribution because it still maintained by the transmission and plant management

*) Previously it was PT PLN Tarakan

Table 29 : Length of Medium and Low Voltage Lines (kmc)**2023**

PLN Operational Unit/Province	Medium Voltage			Low Voltage
	6 - 7 kV	10 - 12 kV	15-20 kV	
UID Aceh	-	-	14,449.82	16,471.01
UID North Sumatera	-	-	30,371.05	32,452.04
UID West Sumatera	-	-	11,387.51	18,458.94
UID Riau and Riau Archipelago	-	-	18,206.45	28,599.20
- Riau	-	-	15,504.33	26,256.23
- Riau Archipelago	-	-	2,702.12	2,342.97
UID South Sumatera, Jambi and Bengkulu	-	-	30,477.06	24,906.23
- South Sumatera	-	-	15,941.84	11,152.98
- Jambi	-	-	9,657.91	7,442.96
- Bengkulu	-	-	4,877.31	6,310.29
UIW Bangka Belitung	-	-	6,106.20	5,779.01
UID Lampung	-	-	14,805.96	18,442.62
UID West Kalimantan	-	-	14,889.06	15,537.23
UID South and Central Kalimantan	-	-	18,364.80	16,230.30
- South Kalimantan	-	-	9,792.97	10,859.45
- Central Kalimantan	-	-	8,571.83	5,370.85
UID East and North Kalimantan	-	-	11,303.67	9,054.19
UID North, Central Sulawesi and Gorontalo	-	-	16,207.76	14,987.54
- SNorth Sulawesi	-	-	5,679.87	6,255.14
- Central Sulawesi	-	-	7,950.40	6,689.32
- Gorontalo	-	-	2,577.49	2,043.08
UID South, Southeast and West Sulawesi	-	-	28,253.21	28,237.23
- South Sulawesi	-	-	17,148.63	19,208.98
- Southeast Sulawesi	-	-	7,174.59	6,222.98
- West Sulawesi	-	-	3,929.99	2,805.27
UIW Maluku and North Maluku	-	-	8,318.06	4,816.79
- Maluku	-	-	4,626.81	2,496.18
- North Maluku	-	-	3,691.25	2,320.61
UIW Papua and West Papua	-	-	7,548.84	10,510.01
- Papua	-	-	5,095.60	8,330.65
- West Papua	-	-	2,453.24	2,179.36
UID Bali	-	-	8,830.06	14,939.12
UIW West Nusa Tenggara	-	-	7,128.75	7,948.80
UIW East Nusa Tenggara	-	-	9,797.85	9,688.20
PT PLN Batam	-	-	-	-
PT PLN Nusa Daya*)	-	-	-	-
UIP3B Sumatera	-	-	-	-
UIP3B Sulawesi	-	-	-	-
UIP3B Kalimantan	-	-	-	-
Outside Java	-	-	256,446.12	277,058.46
UID East Java	-	-	41,807.71	80,431.98
UID Central Java and Yogyakarta	-	-	55,204.21	56,833.13
- Central Java	-	-	49,306.38	50,571.76
- D.I. Yogyakarta	-	-	5,897.83	6,261.38
UID West Java	-	-	50,225.70	130,191.47
UID Banten	-	-	16,676.51	25,855.28
UID Jakarta Raya	-	-	18,539.92	38,912.67
PLN Indonesia Power	-	-	-	-
PLN Nusantara Power	-	-	-	-
UIT Western Part of Java	-	-	-	-
UIT Central Part of Java	-	-	-	-
UIT Eastern Part of Java and Bali	-	-	-	-
Java	-	-	182,454.05	332,224.53
Indonesia	-	-	438,900.17	609,282.99

*) Previously it was PT PLN Tarakan

Table 30 : Number and Total Capacity of Substation Transformers

2023

PLN Operational Unit/Province	500 kV		275 kV		150 kV		70 kV		<30 kV		Total	
	Unit	MVA	Unit	MVA	Unit	MVA	Unit	MVA	Unit	MVA	Unit	MVA
UID Aceh	-	-	-	-	-	-	-	-	-	-	-	-
UID North Sumatera	-	-	-	-	-	-	-	-	-	-	-	-
UID West Sumatera	-	-	-	-	-	-	-	-	-	-	-	-
UID Riau and Riau Archipelago	-	-	-	-	10	350.00	-	-	-	-	10	350.00
- Riau	-	-	-	-	-	-	-	-	-	-	-	-
- Riau Archipelago	-	-	-	-	10	350.00	-	-	-	-	10	350.00
UID South Sumatera, Jambi and Bengkulu	-	-	-	-	-	-	-	-	-	-	-	-
- South Sumatera	-	-	-	-	-	-	-	-	-	-	-	-
- Jambi	-	-	-	-	-	-	-	-	-	-	-	-
- Bengkulu	-	-	-	-	-	-	-	-	-	-	-	-
UIW Bangka Belitung	-	-	-	-	11	570.00	6	180.00	-	-	17	750.00
UID Lampung	-	-	-	-	-	-	-	-	-	-	-	-
UID West Kalimantan	-	-	2	498.00	36	1,455.00	-	-	-	-	38	1,953.00
UID South and Central Kalimantan	-	-	-	-	77	3,032.00	14	148.00	-	-	91	3,180.00
- South Kalimantan	-	-	-	-	43	1,782.00	14	148.00	-	-	57	1,930.00
- Central Kalimantan	-	-	-	-	34	1,250.00	-	-	-	-	34	1,250.00
UID East and North Kalimantan	-	-	-	-	54	2,180.00	-	-	-	-	54	2,180.00
UID North, Central Sulawesi and Gorontalo	-	-	-	-	55	2,260.00	29	614.00	-	-	84	2,874.00
- North Sulawesi	-	-	-	-	29	1,170.00	23	464.00	-	-	52	1,634.00
- Central Sulawesi	-	-	-	-	17	710.00	6	150.00	-	-	23	860.00
- Gorontalo	-	-	-	-	9	380.00	-	-	-	-	9	380.00
UID South, Southeast and West Sulawesi	-	-	2	340.00	109	3,718.30	18	295.00	2	30	131	4,383.30
- South Sulawesi	-	-	2	340.00	85	2,892.30	13	200.00	2	30	102	3,462.30
- Southeast Sulawesi	-	-	-	-	13	510.00	5	95.00	-	-	18	605.00
- West Sulawesi	-	-	-	-	11	316.00	-	-	-	-	11	316.00
UIW Maluku and North Maluku	-	-	-	-	17	770.00	6	130.00	-	-	23	900.00
- Maluku	-	-	-	-	9	420.00	6	80.00	-	-	15	500.00
- North Maluku	-	-	-	-	8	350.00	-	-	-	-	8	350.00
UIW Papua and West Papua	-	-	-	-	13	570.00	15	226.03	-	-	28	796.03
- Papua	-	-	-	-	7	390.00	15	226.03	-	-	22	616.03
- West Papua	-	-	-	-	6	180.00	-	-	-	-	6	180.00
UID Bali	-	-	-	-	-	-	-	-	-	-	-	-
UIW West Nusa Tenggara	-	-	-	-	28	1,295.00	8	190.00	-	-	36	1,485.00
UIW East Nusa Tenggara	-	-	-	-	7	330.00	18	425.00	-	-	25	755.00
PT PLN Batam	-	-	-	-	21	870.00	-	-	-	-	21	870.00
PT PLN Nusa Daya*)	-	-	-	-	-	-	-	-	-	-	-	-
UIP3B Sumatera	5	2,500.00	41	11,410.21	362	17,719.00	26	730.00	-	-	434	32,359.21
UIP3B Sulawesi	-	-	2	340.00	149	5,725.80	33	740.00	-	-	184	6,805.80
UIP3B Kalimantan	-	-	2	500.00	154	6,036.00	5	96.00	-	-	161	6,632.00
Outside Java	5	2,500.00	49	13,088.21	1,103	46,881.10	178	3,774.03	2	30	1,337	66,273.34
UID East Java	-	-	-	-	-	-	-	-	-	-	-	-
UID Central Java and Yogyakarta	-	-	-	-	-	-	-	-	-	-	-	-
- Central Java	-	-	-	-	-	-	-	-	-	-	-	-
- D.I. Yogyakarta	-	-	-	-	-	-	-	-	-	-	-	-
UID West Java	-	-	-	-	-	-	-	-	-	-	-	-
UID Banten	-	-	-	-	-	-	-	-	-	-	-	-
UID Jakarta Raya	-	-	-	-	-	-	-	-	-	-	-	-
PLN Indonesia Power	-	-	-	-	-	-	-	-	-	-	-	-
PLN Nusantara Power	-	-	-	-	-	-	-	-	-	-	-	-
UIT Western Part of Java	35	16,334.21	-	-	391	23,306.00	8	220.00	-	-	434	39,860.21
UIT Central Part of Java	31	15,500.00	-	-	459	27,601.00	66	1,603.00	-	-	556	44,704.00
UIT Eastern Part of Java and Bali	19	9,515.10	-	-	311	18,374.00	55	1,438.00	-	-	385	29,327.10
J a v a	85	41,349.31	-	-	1,161	69,281.00	129	3,261.00	-	-	1,375	113,891.31
I n d o n e s i a	90	43,849.31	49	13,088.21	2,264	116,162.10	307	7,035.03	2	30	2,712	180,164.65

*) Previously it was PT PLN Tarakan

Table 31 : Number and Total Capacity of Distribution Substation Transformers
2023

PLN Operational Unit/Province	20 kV		12-15 kV		6-7 kV		Total	
	Unit	MVA	Unit	MVA	Unit	MVA	Unit	MVA
UID Aceh	14,837	1,216.47	-	-	-	-	14,837	1,216.47
UID North Sumatera	11,229	1,215.83	-	-	-	-	11,229	1,215.83
UID Riau and Riau Archipelago	16,400	2,103.97	-	-	-	-	16,400	2,103.97
- Riau	13,763	1,757.55	-	-	-	-	13,763	1,757.55
- Riau Archipelago	2,637	346.42	-	-	-	-	2,637	346.42
UID South Sumatera, Jambi and Bengkulu	30,565	2,819.55	-	-	-	-	30,565	2,819.55
- South Sumatera	16,685	1,629.64	-	-	-	-	16,685	1,629.64
- Jambi	9,670	810.96	-	-	-	-	9,670	810.96
- Bengkulu	4,210	378.94	-	-	-	-	4,210	378.94
UIW Bangka Belitung	4,664	511.58	-	-	-	-	4,664	511.58
UID Lampung	15,564	2,006.91	-	-	-	-	15,564	2,006.91
UID West Kalimantan	11,077	1,204.30	-	-	-	-	11,077	1,204.30
UID South and Central Kalimantan	18,095	1,677.13	-	-	-	-	18,095	1,677.13
- South Kalimantan	11,458	1,131.15	-	-	-	-	11,458	1,131.15
- Central Kalimantan	6,637	545.97	-	-	-	-	6,637	545.97
UID East and North Kalimantan	11,317	1,566.84	-	-	-	-	11,317	1,566.84
UID North, Central Sulawesi and Gorontalo	15,626	1,361.46	-	-	-	-	15,626	1,361.46
- North Sulawesi	5,819	566.68	-	-	-	-	5,819	566.68
- Gorontalo	2,857	260.17	-	-	-	-	2,857	260.17
- Central Sulawesi	6,950	534.61	-	-	-	-	6,950	534.61
UID South, Southeast and West Sulawesi	29,813	2,875.73	-	-	-	-	29,813	2,875.73
- South Sulawesi	20,889	2,192.77	-	-	-	-	20,889	2,192.77
- Southeast Sulawesi	5,452	437.50	-	-	-	-	5,452	437.50
- West Sulawesi	3,472	245.46	-	-	-	-	3,472	245.46
UIW Maluku and North Maluku	5,471	560.09	-	-	-	-	5,471	560.09
- Maluku	3,147	312.13	-	-	-	-	3,147	312.13
- North Maluku	2,324	247.96	-	-	-	-	2,324	247.96
UIW Papua and West Papua	6,196	772.07	-	-	-	-	6,196	772.07
- Papua	3,990	466.85	-	-	-	-	3,990	466.85
- West Papua	2,206	305.22	-	-	-	-	2,206	305.22
UID Bali	13,140	2,112.17	-	-	-	-	13,140	2,112.17
UIW West Nusa Tenggara	6,346	851.03	-	-	-	-	6,346	851.03
UIW East Nusa Tenggara	6,239	460.88	-	-	-	-	6,239	460.88
PT PLN Batam	-	-	-	-	-	-	-	-
PT PLN Nusa Daya*)	-	-	-	-	-	-	-	-
UIP3B Sumatera	-	-	-	-	-	-	-	-
UIP3B Sulawesi	-	-	-	-	-	-	-	-
UIP3B Kalimantan	-	-	-	-	-	-	-	-
Outside Java	253,701	27,241.22	-	-	-	-	253,701	27,241.22
UID East Java	67,445	8,810.16	-	-	-	-	67,445	8,810.16
UID Central Java and Yogyakarta	146,220	8,525.86	-	-	-	-	146,220	8,525.86
- Central Java	128,279	7,482.56	-	-	-	-	128,279	7,482.56
- D.I. Yogyakarta	17,941	1,043.30	-	-	-	-	17,941	1,043.30
UID West Java	60,149	10,225.65	-	-	-	-	60,149	10,225.65
UID Banten	17,381	4,090.27	-	-	-	-	17,381	4,090.27
UID Jakarta Raya	14,098	7,823.07	-	-	-	-	14,098	7,823.07
PLN Indonesia Power	-	-	-	-	-	-	-	-
PLN Nusantara Power	-	-	-	-	-	-	-	-
UIT Western Part of Java	-	-	-	-	-	-	-	-
UIT Central Part of Java	-	-	-	-	-	-	-	-
UIT Eastern Part of Java and Bali	-	-	-	-	-	-	-	-
J a v a	305,293	39,475.01	-	-	-	-	305,293	39,475.01
I n d o n e s i a	558,994	66,716.23	-	-	-	-	558,994	66,716.23

*) Previously it was PT PLN Tarakan

Table 32 : Balance Sheet (million Rp)**2023**

Description		Description	December 2023
FIXED ASSETS		EQUITY	1,015,631,399
- Total Fixed Assets	1,423,711,513		
- Accumulation Depreciation	(106,761,876)		-
- Impairment Losses Accumulation	(3,759,262)		
Total Fixed Assets (Net)	1,313,190,376	Total Equity	1,015,631,399
		LONG TERM LIABILITIES	511,812,872
P D P and ATTB	135,780,245	- Deferred Tax Liabilities	58,228,739
Right-of-use Assets	30,574,504	- Long Term Loan	363,181,243
Other Non-Current Assets	32,643,618	- Other Long Term Liabilities	27,571,852
Receivables from Government	-	- Employee Benefit Liabilities	62,831,038
Investments in Associates and Joint Ventures	26,526,781		
Deferred Tax Assets	540,694		
CURRENT ASSETS		SHORT TERM LIABILITIES	143,195,433
- Cash & Bank	55,920,541	- Trade Payables	57,147,527
- Receivables from Government	22,446,998	- Short Term Loan	33,037,450
- Temporary Investment	913,670	- Other Short Term Liabilities	45,128,076
- Receivable	26,840,955	- Employee Benefit Liabilities	7,882,380
- Inventories	17,862,312		
- Other Current Assets	7,399,010		
Total Current Assets	131,383,486	Total Long Term & Short Term Liabilities	655,008,305
TOTAL ASSETS	1,670,639,704	TOTAL EQUITY & LIABILITIES	1,670,639,704

Table 33 : Profit and Loss (million Rp)**2023**

Description	December 2023
OPERATION REVENUE	
- Electricity Sales	333,191,062
- Connection Fees	1,288,284
- Government Subsidy	68,636,731
- Compensation Revenue	73,991,897
- Others	10,276,090
Total Operation Revenue	487,384,064
OPERATION COST	
- Fuel and Lubricant Oil	164,731,578
- Electricity Purchase and Rented Generation	154,831,184
- Rented	1,874,862
- Maintenance	29,518,324
- Personnel	32,355,934
- Property, Plant and Equipment Depreciation	43,967,082
- Right-of-use Assets Depreciation	3,347,165
- Others	9,557,861
Total Operation Cost	440,183,990
OPERATING PROFIT	47,200,074
Other Income (Expenses) - Net	1,513,051
Other Profit (Loss) - Exchange Rate	3,723,639
Finance Income	953,515
Finance Expenses	(21,010,355)
PROFIT (LOSS) BEFORE TAX	32,379,924
TAX BENEFIT (EXPENSES)	(10,308,466)
PROFIT (LOSS) FOR THE YEAR	22,071,458

Table 34 : Fixed Asset and Depreciation (million Rp)**2023**

F u n g s i	Balance 2023	Impairment Losses Accumulation	Book Value 2023
- Hydro	96,917,740.43	(4,662,510.59)	92,133,552.09
- Steam	319,196,105.18	(28,928,610.49)	289,881,210.59
- Diesel	25,107,241.06	(3,182,433.83)	21,326,981.34
- Gas Turbine	62,576,149.91	(4,966,973.22)	57,463,858.53
- Geothermal	16,061,149.96	(1,176,673.27)	14,884,033.49
- Combined Cycle	193,971,975.64	(12,524,404.11)	181,348,961.71
- Sun	1,680,466.90	(157,705.73)	1,381,063.50
- Transmission	368,472,968.11	(18,018,638.33)	348,536,093.24
- Data Tele Information	15,276,181.14	(5,339,562.54)	9,883,839.39
- Distribution and UPD	278,586,913.06	(22,807,843.69)	255,559,002.36
- T U L	4,613,332.75	(596,198.58)	4,004,425.09
- General	41,251,289.20	(4,400,321.11)	36,787,354.70
TOTAL	1,423,711,513.40	(106,761,875.56)	1,313,190,376.09

Table 35 : Accounts Receivable (million Rp)**2023**

PLN Operational Unit	Public	Armed Force	Non Armed Force	Local Government	BUMN	Total
UID Aceh	184,862.02	21,902.03	3,940.17	65,099.67	9,569.09	285,372.97
UID North Sumatera	928,702.20	20,076.74	16,979.01	67,846.86	21,611.51	1,055,216.32
UID West Sumatera	214,354.19	6,810.44	7,307.60	23,937.11	50,405.82	302,815.17
UID Riau and Riau Archipelago	612,204.87	16,392.17	6,533.23	42,291.50	140,064.96	817,486.72
UID South Sumatera, Jambi and Bengkulu	711,989.17	15,297.59	13,198.91	93,715.05	29,724.47	863,925.18
UIW Bangka Belitung	56,017.76	3,422.50	1,357.10	4,098.51	2,854.42	67,750.30
UID Lampung	430,621.28	3,225.73	5,761.74	28,278.29	4,136.08	472,023.13
UID West Kalimantan	187,007.54	10,878.35	4,645.50	14,330.21	3,514.06	220,375.67
UID South and Central Kalimantan	379,539.33	12,119.21	8,254.31	30,176.05	14,878.76	444,967.66
UID East and North Kalimantan	403,882.31	14,967.48	8,682.27	32,911.64	23,918.57	484,362.27
UID North, Central Sulawesi and Gorontalo	404,682.41	23,053.48	10,405.64	37,424.12	7,586.72	483,152.37
UID South, Southeast and West Sulawesi	992,959.65	23,206.31	18,458.06	41,731.63	31,804.45	1,108,160.10
UIW Maluku and North Maluku	77,018.27	19,495.05	7,122.91	6,268.29	40,171.27	150,075.79
UIW Papua and West Papua	86,053.66	37,791.28	7,563.49	13,620.98	7,824.58	152,853.98
UID Bali	534,122.41	7,208.85	8,151.63	15,853.79	6,859.61	572,196.27
UIW West Nusa Tenggara	131,598.72	1,823.58	3,032.22	14,618.01	3,689.23	154,761.76
UIW East Nusa Tenggara	25,031.74	5,488.71	4,578.10	5,949.41	5,603.25	46,651.22
PT PLN Batam	408,443.01	5,352.95	2,204.13	3,842.63	577.47	420,420.20
Outside Java	6,769,090.53	248,512.45	138,176.03	541,993.76	404,794.31	8,102,567.08
UID East Java	3,283,199.72	55,532.95	43,043.81	110,075.94	123,201.81	3,615,054.23
UID Central Java and Yogyakarta	2,178,613.80	34,740.99	47,848.28	105,861.75	44,908.21	2,411,973.02
UID West Java	4,881,363.83	61,077.29	49,500.18	141,770.41	60,274.18	5,193,985.89
UID Banten	3,487,207.43	212,262.02	137,903.94	105,314.74	27,672.43	3,970,360.56
UID Jakarta Raya	2,687,766.24	10,730.55	11,057.37	26,712.77	40,238.95	2,776,505.86
J a v a	16,518,151.02	374,343.80	289,353.57	489,735.61	296,295.57	17,967,879.57
Indonesia	23,287,241.55	622,856.25	427,529.61	1,031,729.37	701,089.88	26,070,446.65

Note: Data from AP2T Application

Table 36 : Average Collection Rate**2023**

PLN Operational Unit	Sales (million Rp)	Accounts Receivable (million Rp)	Average (day)
UID Aceh	3,567,391.30	285,372.97	29.20
UID North Sumatera	14,418,442.53	1,055,216.32	26.71
UID West Sumatera	4,273,726.82	302,815.17	25.86
UID Riau and Riau Archipelago	9,514,832.27	817,486.72	31.36
UID South Sumatera, Jambi and Bengkulu	11,614,371.41	863,925.18	27.15
UIW Bangka Belitung	2,062,356.35	67,750.30	11.99
UID Lampung	6,278,779.44	472,023.13	27.44
UID West Kalimantan	3,853,964.09	220,375.67	20.87
UID South and Central Kalimantan	6,422,246.23	444,967.66	25.29
UID East and North Kalimantan	6,581,312.80	484,362.27	26.86
UID North, Central Sulawesi and Gorontalo	5,056,409.89	483,152.37	34.88
UID South, Southeast and West Sulawesi	11,896,464.51	1,108,160.10	34.00
UIW Maluku and North Maluku	1,922,455.38	150,075.79	28.49
UIW Papua and West Papua	2,679,578.18	152,853.98	20.82
UID Bali	8,471,374.39	572,196.27	24.65
UIW West Nusa Tenggara	2,627,398.86	154,761.76	21.50
UIW East Nusa Tenggara	1,631,937.52	46,651.22	10.43
PT PLN Batam	4,564,736.21	420,420.20	33.62
Outside Java	107,437,778.18	8,102,567.08	27.53
UID East Java	46,021,262.01	3,615,054.23	28.67
UID Central Java and Yogyakarta	34,059,695.73	2,411,973.02	25.85
UID West Java	66,264,723.84	5,193,985.89	28.61
UID Banten	30,635,039.87	2,776,505.86	33.08
UID Jakarta Raya	48,861,363.93	3,970,360.56	29.66
Java	225,842,085.39	17,967,879.57	29.04
Indonesia	333,279,863.57	26,070,446.65	28.55

Table 37 : Generation Cost**2023**

Generation Type	Generation Cost (million Rp)					
	Fuel *)	Maintenance	Depreciation	Other	Personnel	Total
Hydro	388,816.92	622,081.17	2,186,439.61	46,263.95	269,529.97	3,513,131.61
Steam	72,747,173.41	9,321,084.81	12,932,762.07	439,553.00	1,774,118.04	97,214,691.33
Diesel **)	31,105,925.63	2,263,972.14	1,340,409.17	55,737.11	601,545.55	35,367,589.60
Gas Turbine	13,103,172.35	1,423,237.11	2,179,539.06	101,527.56	274,007.05	17,081,483.13
Geothermal	4,190,279.41	134,864.65	512,477.09	44,007.81	143,112.19	5,024,741.14
Combined Cycle	43,196,209.89	956,661.34	6,300,307.70	174,737.70	613,909.01	51,241,825.64
Sun	0.00	16,653.06	89,497.70	1,694.95	16,601.14	124,446.85
Total	164,731,577.61	14,738,554.28	25,541,432.40	863,522.08	3,692,822.94	209,567,909.31

*) Including lubricants

**) Including Gas Engine

Table 38 : Average Generation Cost per kWh**2023**

Generation Type	Average Generation Cost per kWh (Rp/kWh) ***						
	Fuel *)	Maintenance	Depreciation	Other	Personnel	Interest Expense	Total
Hydro	37.05	58.38	205.20	4.34	25.30	134.23	464.50
Steam	532.27	81.34	112.85	3.84	15.48	41.10	786.89
Diesel **)	7,388.85	664.45	393.39	16.36	176.55	108.74	8,748.35
Gas Turbine	743.58	143.83	220.27	10.26	27.69	93.33	1,238.95
Geothermal	972.11	31.29	118.89	10.21	33.20	54.99	1,220.69
Combined Cycle	1,176.17	26.05	171.55	4.76	16.72	77.94	1,473.18
Sun	0.00	1,296.53	6,967.90	131.96	1,292.49	1,930.77	11,619.66
Average	786.76	82.06	142.21	4.81	20.56	58.79	1,095.19

*) Including lubricants

**) Including Gas Engine

***) Own generator operating costs (owned by PLN) including from Project

Table 39 : Financial Ratios**2023**

Indicator	Unit	2023
I. Financial Indicators		
- Cash Ratio	%	35.87
- Rentability Ratio	%	1.45
- Solvability Ratio	%	39.48
- Liquidity Ratio	%	82.30
II. Financial Covenant *)		
- CICR	Times	3.67
- Financial Liabilities to Total Assets	%	23.72
- EBITDA Interest Coverage Ratio	Times	4.69
III. Operating Activity (Financial)		
- Fixed Assets Turnover	Times	0.22
- Average Period or Receivable Collection	Day	28.49
- Receivable Turnover	Times	12.81
- Material Turnover	Times	3.61

*) Calculation of Financial Covenant based on financial statements by excluding the impact of ISAK 8 as stated in the Global Bonds indenture and Local Bonds Trustee Agreement

Table 40 : Number of Employees by Grade

2023

PLN Operational Unit/ Province	08'	08	09	10	11'	11	12'	12	13'	13	14'	14	15	16	17'	17	18	19	20	21	23	25	Total	
UID Aceh	-	2	166	112	87	165	108	17	55	64	36	11	8	9	2	1	-	2	-	-	-	-	-	845
UID North Sumatera	-	18	163	144	192	277	217	28	121	88	48	18	24	8	3	1	2	2	-	-	-	-	1	1,355
UID West Sumatera	-	22	125	101	106	137	123	27	79	66	15	7	15	2	4	-	1	-	-	-	-	-	-	830
UID Riau and Riau Archipelago	-	13	105	162	76	154	86	32	109	69	23	10	13	1	1	1	5	-	-	1	-	-	-	861
UID South Sumatera, Jambi and Bengkulu	-	11	126	78	168	205	161	34	94	72	28	11	17	7	3	1	5	1	-	-	-	-	-	1,022
UIW Bangka Belitung	-	1	95	20	38	83	43	11	22	21	11	2	11	5	1	-	1	1	-	-	-	-	1	367
UID Lampung	-	3	59	83	79	127	95	17	56	30	16	4	10	4	2	1	-	-	1	-	-	-	-	587
UID West Kalimantan	-	1	85	135	89	134	82	15	57	64	13	6	11	4	3	1	1	-	-	1	-	-	-	702
UID South and Central Kalimantan	-	1	155	127	71	151	81	32	58	77	36	8	13	4	2	-	1	2	-	-	-	-	-	819
UID East and North Kalimantan	-	63	101	161	92	94	69	15	39	38	24	7	9	8	-	1	1	-	-	-	-	-	-	722
UID North, Central Sulawesi and Gorontalo	-	-	235	157	117	182	118	25	85	49	20	9	9	4	4	-	1	1	-	1	-	-	-	1,017
UID South, Southeast and West Sulawesi	-	130	203	204	129	313	162	21	58	106	30	17	25	2	2	2	-	3	-	-	-	-	-	1,407
UIW Maluku and North Maluku	1	40	269	161	89	135	38	35	49	60	34	8	10	1	3	1	2	-	-	-	-	-	-	936
UIW Papua and West Papua	1	112	247	228	116	170	63	35	79	43	9	9	13	2	-	1	2	1	-	-	-	-	-	1,131
UID Bali	-	-	46	67	57	116	84	14	102	59	15	6	14	2	3	-	4	1	1	1	-	-	-	592
UIW West Nusa Tenggara	-	38	206	91	122	117	72	23	110	48	12	7	9	5	2	1	-	1	-	1	-	-	-	865
UIW East Nusa Tenggara	-	67	215	126	73	124	78	36	85	41	22	10	12	3	3	-	-	-	1	-	-	-	-	896
PT PLN Batam	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	513
PT PLN Nusa Daya*)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	155
PT Mandau Cipta Tenaga Nusantara	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34
UIP3B Sumatera	-	102	609	187	213	250	263	37	120	78	28	12	20	10	4	1	1	1	-	-	-	-	-	1,936
UIP3B Sulawesi	-	11	184	93	69	152	78	16	31	38	13	6	16	4	1	1	-	1	-	-	-	-	-	714
UIP3B Kalimantan	-	11	112	112	50	109	61	11	39	42	14	4	8	4	1	3	-	1	-	-	-	-	-	582
O u t s i d e J a v a	2	646	3,506	2,549	2,033	3,195	2,082	481	1,448	1,153	447	172	267	89	44	17	27	18	3	5	0	2	18,888	
UID East Java	-	-	288	245	220	387	304	65	349	181	73	28	28	15	5	4	2	3	1	1	-	-	-	2,199
UID Central Java and Yogyakarta	-	43	174	181	177	376	224	62	198	180	59	16	23	11	6	7	5	3	1	-	-	-	-	1,746
UID West Java	-	29	230	234	188	540	304	45	140	177	91	23	19	10	5	1	2	4	-	1	-	-	-	2,043
UID Banten	-	1	47	95	87	174	140	19	63	62	21	11	13	4	2	-	2	-	-	1	-	-	-	742
UID Jakarta Raya	-	21	128	88	131	242	230	56	168	138	77	25	17	8	5	4	4	1	-	1	-	-	-	1,344
PLN Indonesia Power	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,393
PLN Nusantara Power	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,842
UIT JBB	-	50	235	101	96	170	114	12	132	99	28	9	14	1	1	2	1	-	-	-	-	-	-	1,065
UIT JBT	-	24	512	167	181	316	190	33	134	87	16	11	12	7	2	-	1	3	-	-	-	-	-	1,696
UIT JBTB	-	1	349	125	135	186	122	15	114	80	23	6	14	5	3	-	1	1	-	-	-	-	-	1,180
UIP2B	-	0	41	22	67	117	113	16	52	59	17	5	9	2	4	-	2	2	-	-	-	-	-	528
UIK Tanjung Jati B	-	-	2	1	3	12	17	2	13	5	3	6	3	3	2	-	1	1	-	-	-	-	-	74
J a v a	-	169	2,006	1,259	1,285	2,520	1,758	325	1,363	1,068	408	140	152	66	35	18	21	18	2	4	-	-	-	22,852
PLN Head Office	-	11	56	88	332	330	1,249	127	345	278	168	115	266	105	59	34	89	60	37	25	22	11	-	3,807
PLN Supporting and Service Unit	-	3	28	50	223	280	369	75	210	154	60	25	54	19	21	9	14	12	5	4	-	-	-	1,615
PLN Construction Unit	-	71	160	105	412	353	468	62	246	170	56	35	92	33	11	5	20	7	4	6	1	-	-	2,317
Other Subsidiaries	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,766
I n d o n e s i a	2	900	5,756	4,051	4,285	6,678	5,926	1,070	3,612	2,823	1,139	487	831	312	170	83	171	115	51	44	23	13	51,245	

*) Previously it was PT PLN Tarakan

Table 41 : Number of Employees by Education**2023**

PLN Operational Unit/Province	≤ D1-D3	S1	S2	S3	Total
UID Aceh	512	309	24	-	845
UID North Sumatera	727	595	33	-	1,355
UID West Sumatera	484	328	18	-	830
UID Riau and Riau Archipelago	599	247	15	-	861
UID South Sumatera, Jambi and Bengkulu	571	419	32	-	1,022
UIW Bangka Belitung	225	130	12	-	367
UID Lampung	299	274	13	1	587
UID West Kalimantan	442	247	13	-	702
UID South and Central Kalimantan	487	310	22	-	819
UID East and North Kalimantan	483	220	19	-	722
UID North, Central Sulawesi and Gorontalo	652	347	18	-	1,017
UID South, Southeast and West Sulawesi	754	623	30	-	1,407
UIW Maluku and North Maluku	736	191	9	-	936
UIW Papua and West Papua	862	257	12	-	1,131
UID Bali	344	222	26	-	592
UID West Nusa Tenggara	610	243	12	-	865
UID East Nusa Tenggara	698	189	9	-	896
PT PLN Batam	-	-	-	-	513
PT PLN Nusa Daya*)	-	-	-	-	155
PT Mandau Cipta Tenaga Nusantara	-	-	-	-	34
UIP3B Sumatera	1,253	651	32	-	1,936
UIP3B Sulawesi	396	304	14	-	714
UIP3B Kalimantan	331	236	15	-	582
Outside Java	11,465	6,342	378	1	18,888
UID East Java	1,182	956	61	-	2,199
UID Central Java and Yogyakarta	975	706	65	-	1,746
UID West Java	1,160	837	46	-	2,043
UID Banten	358	359	25	-	742
UID Jakarta Raya	687	610	47	-	1,344
PLN Indonesia Power	-	-	-	-	5,393
PLN Nusantara Power	-	-	-	-	4,842
UIT JBB	617	407	40	1	1,065
UIT JBT	1,050	608	38	-	1,696
UIT JBTB	795	346	39	-	1,180
UIP2B	180	310	38	-	528
UIK Tanjung Jati B	18	43	13	-	74
J a v a	7,022	5,182	412	1	22,852
PLN Head Office	690	2,495	612	10	3,807
PLN Supporting and Service Unit	487	974	154	-	1,615
PLN Construction Unit	876	1,328	113	-	2,317
Other Subsidiaries	-	-	-	-	1,766
I n d o n e s i a	20,540	16,321	1,669	12	51,245

*) Previously it was PT PLN Tarakan

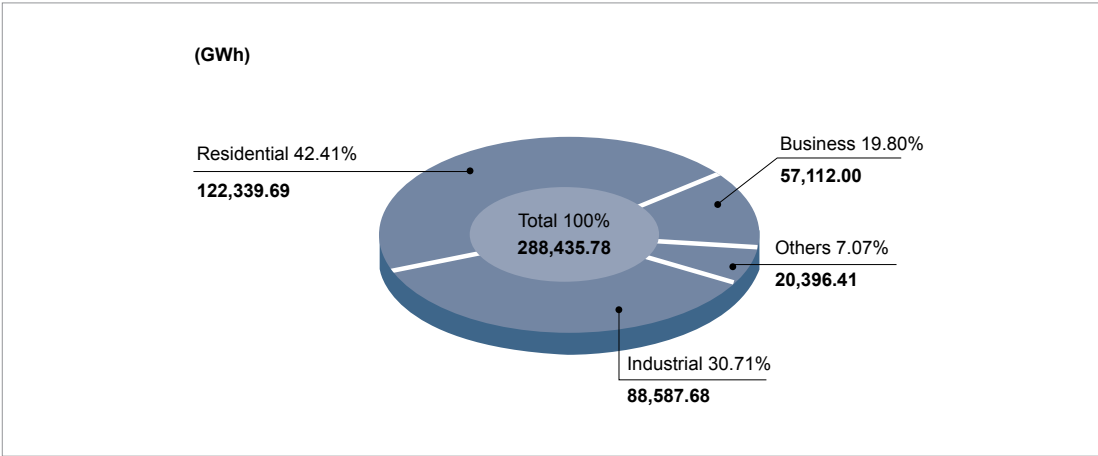
Table 42 : Productivity of Employee

2023

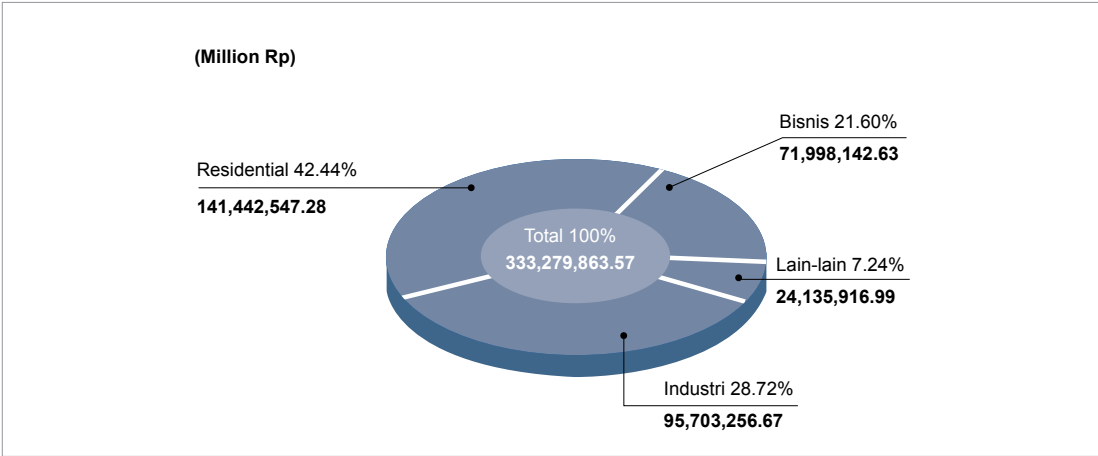
PLN Operational Unit/Province	Customers per Employee	kWh Sold per Employee
UID Aceh	2,041	4,092,662.72
UID North Sumatera	3,294	9,205,047.97
UID West Sumatera	2,040	4,591,373.49
UID Riau and Riau Archipelago	2,915	10,699,372.82
UID South Sumatera, Jambi and Bengkulu	4,208	9,594,569.47
UIW Bangka Belitung	1,520	4,389,128.07
UID Lampung	4,489	9,815,860.31
UID West Kalimantan	2,165	4,713,091.17
UID South and Central Kalimantan	2,797	6,745,970.70
UID East and North Kalimantan	2,065	7,017,894.74
UID North, Central Sulawesi and Gorontalo	2,065	4,366,293.02
UID South, Southeast and West Sulawesi	2,770	7,405,344.71
UIW Maluku and North Maluku	847	1,765,042.74
UIW Papua and West Papua	740	1,777,524.31
UID Bali	2,874	10,734,003.38
UIW West Nusa Tenggara	2,199	2,974,104.05
UIW East Nusa Tenggara	1,331	1,488,002.23
PT PLN Batam	719	6,256,900.58
PT PLN Nusa Daya*)	-	-
PT Mandau Cipta Tenaga Nusantara	-	-
UIP3B Sumatera	-	-
UIP3B Sulawesi	-	-
UIP3B Kalimantan	-	-
Outside Java	2,124	5,298,314.74
UID East Java	6,240	19,047,885.40
UID Central Java and Yogyakarta	7,615	18,325,303.55
UID West Java	8,291	28,665,839.45
UID Banten	5,384	36,349,595.69
UID Jakarta Raya	3,888	27,524,069.94
PLN Indonesia Power	-	-
PLN Nusantara Power	-	-
UIK Tanjung Jati B	-	-
Java	4,215	15,567,118.97
Indonesia (without Subsidiaries)	2,304	7,400,394.12
PLN Head Office	-	-
PLN Supporting and Service Unit	-	-
PLN Construction Unit	-	-
Other Subsidiaries	-	-
Indonesia	1,740	5,628,564.35

*) Previously it was PT PLN Tarakan

Graph 1. Energy Sold by Type of Customers (2023)

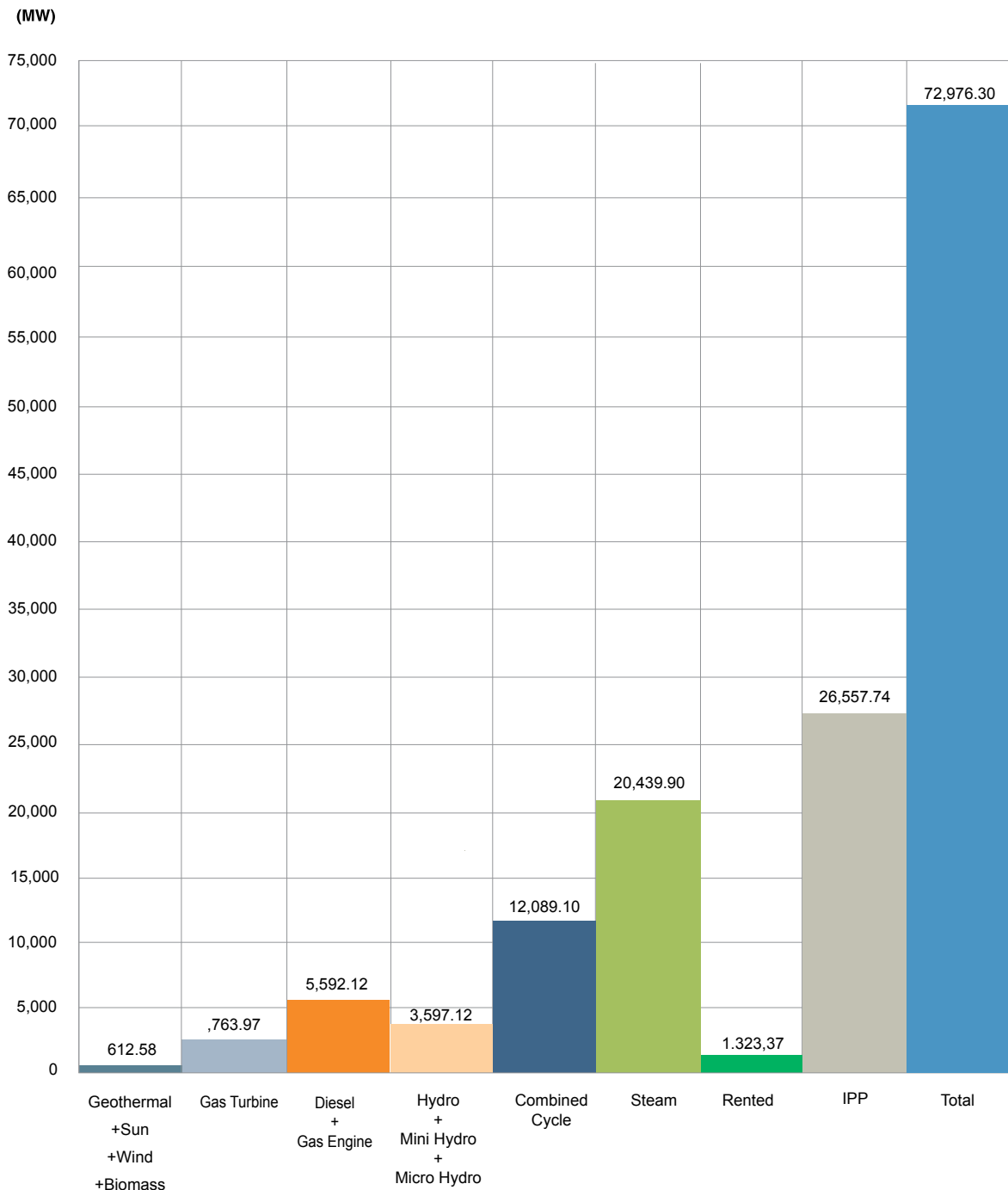


Grafik 2. Revenue (2023)

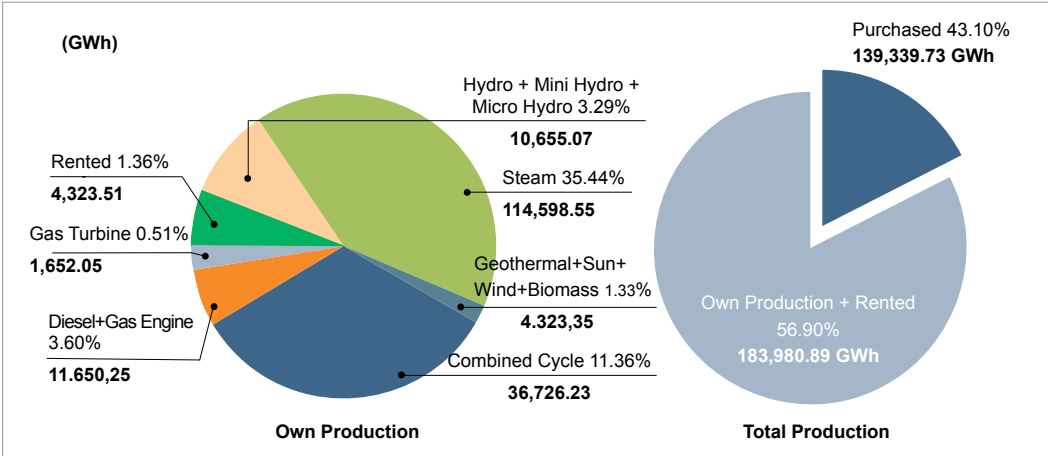


Note: Data from AP2T Application

Graph 3. Installed Capacity (2023)



Graph 4. Energy Production (2023)





TIME SERIES
DATA

02

Table 43 : Load Factor, Capacity Factor and Demand Factor (%)

2015 - 2023

Year	Load Factor	Capacity Factor	Demand Factor
2015	80.02	50.53	25.06
2016	62.62	51.92	49.55
2017	74.93	51.98	39.75
2018	78.64	52.73	37.20
2019	76.41	50.68	37.72
2020	78.32	49.54	34.61
2021	77.20	51.19	34.84
2022	84.11	50.93	32.28
2023	63.33	50.58	42.48

Table 44 : Number of Customer by Type of Customers

2015 - 2023

Year	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total	Δ %
2015	56,605,260	63,314	2,894,990	1,261,516	156,782	156,782	61,138,644	6.39
2016	59,243,672	69,629	3,239,764	1,354,010	169,478	205,940	64,282,493	5.14
2017	62,543,434	76,816	3,579,364	1,460,546	182,874	225,249	68,068,283	5.89
2018	66,071,133	88,185	3,750,666	1,559,997	198,113	249,303	71,917,397	5.66
2019	69,619,877	104,922	3,829,553	1,662,926	211,947	276,389	75,705,614	5.27
2020	72,606,681	130,722	4,001,917	1,746,074	218,408	296,231	79,000,033	4.35
2021	75,701,985	159,057	4,300,034	1,838,087	230,577	314,240	82,543,980	4.49
2022	78,327,897	179,553	4,640,585	1,920,615	236,629	330,919	85,636,198	3.75
2023	81,551,348	206,770	4,806,141	1,993,078	242,274	353,667	89,153,278	4.11

Table 45 : Connected Capacity by Type of Customers (MVA)

2015 - 2023

Year	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total	Δ %
2015	51,654.89	25,024.02	22,477.28	3,861.60	2,560.54	1,003.90	106,582.23	6.55
2016	55,284.60	26,569.81	24,362.27	4,334.47	2,753.49	1,042.98	114,347.62	7.29
2017	59,257.37	27,584.67	26,197.72	4,897.48	2,979.73	1,100.66	122,017.63	6.71
2018	63,576.71	29,136.29	27,751.75	5,462.73	3,195.56	1,157.51	130,280.55	6.77
2019	67,877.52	30,433.91	29,180.45	5,993.45	3,360.50	1,230.70	138,076.53	5.98
2020	72,096.64	31,146.41	30,277.65	6,431.26	3,465.80	1,260.45	144,678.21	4.78
2021	76,566.84	33,151.51	31,974.04	6,954.42	3,624.93	1,294.22	153,565.96	6.14
2022	80,423.31	34,714.29	34,117.75	7,482.28	3,791.40	1,332.51	161,861.54	5.40
2023	85,318.86	36,698.11	36,060.99	8,066.67	3,989.14	1,374.66	171,508.42	5.96

Table 46 : Energy Sold by Type of Customers (GWh)

2015 - 2023

Year	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total	Δ %
2015	88,682.13	64,079.39	36,978.05	5,940.98	3,717.16	3,448.11	202,845.82	2.14
2016	93,634.61	68,145.30	40,074.39	6,630.80	4,021.61	3,497.58	216,004.29	6.49
2017	94,457.38	72,238.37	41,694.79	7,095.37	4,121.26	3,526.55	223,133.72	3.30
2018	97,832.28	76,946.50	44,027.40	7,781.34	4,403.28	3,627.07	234,617.88	5.15
2019	103,733.43	77,878.65	46,901.25	8,621.83	4,750.29	3,632.71	245,518.17	4.65
2020	112,155.85	72,239.86	42,819.32	8,098.06	4,634.78	3,634.88	243,582.75	(0.79)
2021	115,370.05	80,904.45	44,440.85	8,665.99	4,707.97	3,544.95	257,634.25	5.77
2022	116,095.41	88,483.30	50,532.19	10,073.23	4,995.12	3,582.23	273,761.48	6.26
2023	122,339.69	88,587.68	57,112.00	11,496.10	5,285.12	3,615.19	288,435.78	5.36

Table 47 : Average Energy Sold by Type of Customers (kWh)**2015 - 2023**

Year	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total
2015	1,567.00	1,012,089.00	12,773.00	4,709.00	23,709.00	18,526.00	3,454.00
2016	1,581.00	978,692.00	12,370.00	4,897.00	23,729.00	16,984.00	3,360.00
2017	1,510.00	940,408.00	11,649.00	4,858.00	22,536.00	15,656.00	3,278.00
2018	1,481.00	872,558.00	11,739.00	4,988.00	22,226.00	14,549.00	3,262.00
2019	1,490.00	742,252.82	12,247.19	5,184.73	22,412.63	13,143.47	3,243.06
2020	1,544.70	552,622.03	10,699.70	4,637.87	21,220.72	12,270.42	3,083.32
2021	1,524.00	508,650.67	10,335.00	4,714.68	20,418.21	11,281.03	3,121.18
2022	1,482.17	492,797.67	10,889.18	5,244.79	21,109.50	10,825.10	3,196.80
2023	1,500.15	428,435.85	11,883.13	5,768.01	21,814.64	10,222.02	3,235.28

Table 48 : Revenue by Type of Customers (million Rp)**2015 - 2023**

Year	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total	Δ %
2015	74,228,270.00	73,225,020.00	47,485,994.00	4,826,716.00	4,923,417.00	5,155,124.00	209,844,540.00	12.44
2016	79,001,584.00	71,676,300.00	48,135,789.00	5,410,427.00	4,965,551.00	4,950,171.00	214,139,821.00	2.05
2017	99,747,380.00	78,652,788.00	51,935,757.00	5,827,691.00	5,269,214.00	5,154,027.00	246,586,856.00	15.15
2018	107,853,456.00	83,510,376.00	54,769,851.00	6,405,714.00	5,636,698.00	5,301,458.00	263,477,551.00	6.85
2019	114,009,150.67	85,696,114.71	59,196,245.28	7,164,127.64	6,135,914.18	5,315,507.93	277,517,060.40	5.33
2020	111,249,935.56	78,805,923.48	53,067,797.67	6,511,744.48	6,021,618.63	5,306,701.62	260,963,721.44	(5.96)
2021	118,139,629.65	87,880,138.90	54,870,079.54	6,987,979.19	6,086,666.66	5,129,814.60	279,094,308.54	6.95
2022	131,002,679.73	95,620,299.54	63,446,010.65	8,396,636.98	7,220,882.60	5,652,557.11	311,339,066.61	11.55
2023	141,442,547.28	95,703,256.67	71,998,142.63	9,564,544.40	8,392,360.09	6,179,012.50	333,279,863.57	7.05

Time Series Data

Table 49 : Average of Electricity Tariff by Type of Customer (Rp/kWh)

2015 - 2023

Year	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total
2015	837.01	1,142.72	1,284.17	812.44	1,324.51	1,459.06	1,034.50
2016	843.72	1,051.82	1,201.16	815.96	1,234.72	1,415.31	991.37
2017	1,056.00	1,088.80	1,245.62	821.34	1,278.54	1,461.49	1,105.11
2018	1,102.43	1,085.30	1,243.99	823.21	1,280.11	1,461.64	1,123.01
2019	1,098.82	1,100.69	1,258.34	830.68	1,291.45	1,465.09	1,129.59
2020	991.92	1,090.89	1,239.34	804.11	1,299.22	1,459.94	1,071.36
2021	1,024.01	1,086.22	1,234.68	806.37	1,292.84	1,447.08	1,083.30
2022	1,128.40	1,080.66	1,255.56	833.56	1,445.59	1,577.94	1,137.26
2023	1,156.15	1,080.32	1,260.65	831.98	1,587.92	1,709.18	1,155.47

Table 50 : Number of Customers by Type of Voltage

2015 - 2023

Year	Voltage				Total	Δ %
	Low	Medium	High	Multipurpose		
2015	61,052,745	115,077	80	78	61,167,980	6.39
2016	64,149,582	132,739	88	84	64,282,493	5.09
2017	67,922,448	145,742	93	-	68,068,283	5.89
2018	71,822,662	94,637	98	-	71,917,397	5.60
2019	75,600,176	105,337	101	-	75,705,614	5.27
2020	78,887,339	112,594	100	-	79,000,033	4.35
2021	82,419,243	124,627	110	-	82,543,980	4.49
2022	85,492,246	143,840	112	-	85,636,198	3.75
2023	89,024,231	128,920	127	-	89,153,278	4.11

Table 51 : Energy Sold by Type of Voltage (GWh)**2015 - 2023**

Year	Voltage				Total	Δ %
	Low	Medium	High	Multipurpose		
2015	123,076.75	66,825.79	12,654.35	288.94	202,845.83	2.14
2016	130,491.48	70,763.02	14,414.70	335.12	216,004.32	6.49
2017	133,030.86	73,495.63	16,607.23	-	223,133.72	3.30
2018	139,068.86	77,305.52	18,243.50	-	234,617.88	5.15
2019	147,692.30	80,301.73	17,524.10	-	245,518.13	5.03
2020	155,217.79	72,618.09	15,746.87	-	243,582.75	(0.79)
2021	160,365.97	78,719.41	18,548.88	-	257,634.25	5.77
2022	165,024.94	85,636.40	23,100.14	-	273,761.48	6.26
2023	175,583.63	90,132.35	22,719.80	-	288,435.78	5.36

Table 52 : Revenue by Type of Voltage (million Rp)**2015 - 2023**

Year	Voltage				Total	Δ %
	Low	Medium	High	Multipurpose		
2015	117,631,504.00	77,659,563.00	13,254,127.00	1,299,347.00	209,844,541.00	12.44
2016	123,459,196.00	75,683,817.00	13,954,290.00	1,042,518.00	214,139,821.00	2.05
2017	147,582,478.00	80,555,694.00	16,620,063.00	1,828,621.00	246,586,856.00	15.15
2018	158,754,942.00	84,596,718.00	18,232,665.00	1,893,225.00	263,477,551.00	6.85
2019	168,423,641.08	88,927,866.01	17,826,867.44	2,338,685.88	277,517,060.41	5.33
2020	163,202,835.59	79,422,038.12	15,893,150.12	2,445,697.60	260,963,721.43	(5.96)
2021	171,966,922.08	86,285,110.30	18,066,288.68	2,775,987.48	279,094,308.54	6.95
2022	191,472,215.14	95,255,648.83	21,714,574.73	2,896,627.91	311,339,066.61	11.55
2023	207,710,273.94	100,352,264.63	21,225,295.14	3,992,029.86	333,279,863.57	7.05

Time Series Data

Table 53 : Own Use and Energy Losses

2015 - 2023

Year	Own Use *)		Energy Losses & Own Use					
	(GWh)	(%)	Transmission		Distribution		Total	
			(GWh)	(%)	(GWh)	(%)	(GWh)	(%)
2015	8,258.56	4.67	5,248.08	2.33	16,810.27	7.62	22,589.01	10.00
2016	9,060.67	4.93	5,486.54	2.29	17,219.45	7.19	23,358.90	9.75
2017	9,233.26	5.50	5,865.60	2.39	15,619.45	6.53	22,147.47	9.02
2018	9,616.42	5.10	5,969.98	2.32	18,510.36	7.37	25,093.26	9.75
2019	9,910.95	5.12	6,073.34	2.26	19,006.53	7.24	25,822.86	9.60
2020	9,732.18	5.48	5,521.04	2.08	18,729.89	7.22	24,960.53	9.41
2021	9,959.33	5.44	5,501.33	1.97	18,519.97	6.77	25,143.66	9.00
2022	10,172.11	5.53	5,726.55	1.92	20,236.10	6.94	27,655.48	9.29
2023	9,998.01	5.43	6,284.73	2.01	20,569.14	6.71	28,773.22	9.18

*) Own use for power plant

Table 54 : Number of Generating Units *)

2015 - 2023

Year	Hydro	Mini Hydro	Micro Hydro	Steam	Gas Turbine	Combined Cycle	Geothermal	Diesel	Gas Engine	Sun	Wind	Bio-mass	Total	Δ %
2015**)	232	-	-	114	72	65	15	4,655	-	58	7	-	5,218	4.21
2016	232	-	-	107	75	66	15	4,665	-	68	7	-	5,235	0.52
2017	240	-	-	104	97	69	15	4,801	-	57	6	-	5,389	2.94
2018	266	-	-	110	98	74	22	5,327	-	78	5	-	5,980	10.97
2019	243	-	-	133	68	73	18	5,350	-	96	5	1	5,987	0.10
2020	244	-	-	127	66	79	18	5,400	-	118	5	2	6,059	1.20
2021	162	12	72	126	66	79	18	5,258	193	150	5	2	6,143	1.39
2022	166	10	73	130	68	81	18	5,363	194	204	5	2	6,314	2.78
2023	56	106	91	135	63	90	18	5,428	189	263	5	2	6,446	2.06

*) PLN's Power Plant

***) Revised Number of Generating Unit

Table 55 : Installed Capacity (MW)***2015 - 2023**

Year	Hydro	Mini Hydro	Micro Hydro	Steam	Gas Turbine	Com-bined Cycle	Geo-ther-mal	Diesel	Gas Engine	Sun	Wind	Bio-mass	Total	Δ %
2015	3,566.15	-	-	21,117.15	2,981.31	8,894.11	550.89	3,175.79	-	8.86	0.99	-	40,295.25	11.89
2016	3,567.83	-	-	19,856.35	3,208.15	9,204.11	580.89	3,353.80	-	12.94	0.99	-	39,785.06	3.97
2017	3,583.15	-	-	19,530.50	3,075.83	9,022.54	550.89	3,880.02	-	7.98	0.88	-	39,651.80	(0.33)
2018	3,582.98	-	-	20,192.00	3,133.61	9,812.11	579.50	4,383.42	-	12.07	0.47	-	41,696.67	5.16
2019	3,583.98	-	-	20,750.50	3,188.90	10,708.76	579.50	5,029.31	-	14.65	0.47	-	43,856.58	5.18
2020	3,584.07	-	-	20,277.63	2,936.07	11,232.20	579.26	5,547.88	-	16.71	0.47	0.50	44,174.80	0.72
2021	3,504.42	37.68	45.62	20,365.00	2,936.07	11,408.00	579.26	3,532.61	2,033.77	21.34	0.47	0.50	44,464.75	0.66
2022	3,516.51	34.35	46.12	20,418.50	2,796.82	11,764.85	579.26	3,564.63	2,189.23	28.62	0.47	0.52	44,939.88	1.07
2023	3,142.85	409.43	44.84	20,439.90	2,763.97	12,089.10	579.26	3,521.21	2,071.31	32.33	0.47	0.52	45,095.19	0.12

*) PLN's Power Plant

Table 56 : Rated Capacity (MW)***2015 - 2023**

Year	Hydro	Mini Hydro	Micro Hydro	Steam	Gas Turbine	Com-bined Cycle	Geo-ther-mal	Diesel	Gas Engine	Sun	Wind	Total	Δ %
2015**)	3,473.18	-	-	17,798.74	2,486.42	7,571.23	516.43	1,902.77	-	6.54	0.02	33,755.32	6.99
2016	3,410.62	-	-	17,811.40	2,669.80	7,754.23	523.28	2,292.49	-	9.28	0.30	34,471.39	5.33
2017	3,470.89	-	-	17,150.20	2,608.89	7,698.57	508.89	2,488.73	-	5.66	-	33,931.83	(1.57)
2018	3,471.05	-	-	17,138.73	2,605.46	8,937.52	541.54	2,750.86	-	7.20	0.08	35,452.44	4.48
2019	3,474.81	-	-	17,767.38	2,718.59	9,145.52	550.34	3,257.04	-	6.33	0.08	36,920.09	4.14
2020	3,511.37	-	-	17,714.10	2,404.59	10,036.51	550.34	3,844.82	-	11.73	0.08	38,073.54	3.12
2021	3,445.21	36.86	33.61	17,743.90	2,403.59	10,168.02	544.29	2,057.78	1,865.74	14.91	-	38,313.90	0.63
2022	3,456.01	33.76	33.67	17,755.40	2,267.62	10,276.05	545.10	2,012.59	2,015.97	22.64	0.02	38,418.81	0.27
2023	3,095.95	391.13	40.39	18,038.67	2,489.37	10,664.51	545.10	2,572.66	1,919.85	26.87	0.81	39,785.31	3.56

*) PLN's Power Plant

**) Revised Rated Capacity

Time Series Data

Table 57 : Energy Production (GWh)*

2015 - 2023

Year	Own Generated														Purchased*)	Total	Δ %
	Hydro	Mini Hydro	Micro Hydro	Steam	Gas Turbine	Com-bined Cycle	Geo-thermal	Diesel	Gas Engine	PLTBm	PLT Wind	PLT Sun	Rented	Sub Total			
2015	10,004.48	-	-	95,815.29	3,442.93	38,705.56	4,391.55	3,032.75	-	-	-	5.28	19,841.57	176,472.21	57,509.77	233,981.99	2.37
2016	13,885.59	-	-	97,153.33	3,871.76	41,908.11	3,958.10	3,062.34	2,612.37	-	5.85	-	17,351.52	183,808.97	64,801.55	248,610.52	6.25
2017	12,425.17	-	-	105,651.39	1,891.92	38,074.10	4,095.99	5,833.76	-	-	5.53	-	13,447.20	181,425.07	73,234.72	254,659.78	2.43
2018	10,728.68	-	-	113,902.01	3,210.32	38,762.01	4,012.81	7,573.83	-	-	4.21	-	10,504.60	188,698.46	78,386.92	267,085.38	4.88
2019	9,877.06	-	-	122,826.04	2,723.05	37,757.83	4,110.30	5,014.43	4,143.79	-	-	4.71	7,086.09	193,543.32	85,398.55	278,941.07	4.11
2020	11,948.81	-	-	114,284.12	2,360.16	30,097.84	4,186.37	3,043.16	6,696.28	-	-	5.57	5,070.12	177,692.43	97,158.74	274,851.17	(1.47)
2021	11,568.71	175.70	124.89	114,518.49	2,775.66	33,025.12	4,216.71	3,104.72	7,969.77	-	-	5.63	5,488.49	182,973.88	106,496.69	289,470.57	5.32
2022	12,874.20	172.79	128.02	115,316.09	2,145.76	32,945.45	4,138.19	3,209.67	8,556.26	-	-	9.09	4,323.52	183,819.03	124,183.27	308,002.30	6.40
2023	9,210.01	1,299.90	145.16	114,598.55	1,652.05	36,726.23	4,310.50	3,407.29	8,242.96	0.01	-	12.84	4,375.37	183,980.89	139,339.73	323,320.62	4.97

*) Included project

Table 58 : Consumption of Fuel

2015 - 2023

Year	Oil (kilo litre)										Coal (ton)	Natural Gas (MMSCF)	Biomass (ton)	
	HSD	IDO	MFO	Bio Diesel	Olein	Bio HSD	HFO	Bio Fame	CPO	Total				
2015	4,372,743	2,244	904,266	-	-	-	-	-	-	-	5,473,892	48,125,940	456,494	-
2016	3,331,125	915	947,027	-	-	-	-	-	-	-	4,667,032	50,556,446	505,125	-
2017	2,579,123	580	718,462	-	-	-	-	-	-	-	3,598,223	54,711,847	447,072	-
2018	2,780,973	28	946,516	-	-	-	-	-	-	-	4,055,804	60,481,245	465,419	-
2019	2,748,816	329	371,618	-	-	-	-	-	-	-	3,118,762	67,008,829	479,776	-
2020	2,503,318	26	166,602	-	-	-	-	-	-	-	2,669,946	66,683,392	378,246	9,731
2021	617,916	329	171,313	-	-	1,537,538	120,023	643,724	1	3,090,844	68,474,268	397,765	282,628	
2022	380,155	104	176,213	-	-	1,694,279	18,353	718,807	-	2,987,910	70,444,162	381,620	585,705	
2023	361,691	799	221,071	-	-	1,793,904	-	847,487	-	3,224,953	69,222,936	417,039	990,777	

Notes:

- Bio HSD, HFO, Bio Fame, CPO fuel usage data starting in 2019 and get into the HSD value
 - Starting in 2021, the value of fuel usage for Bio HSD, HFO, Bio Fame and CPO is separated from HSD

Table 59 : Unit Price of Fuel**2015 - 2023**

Year	Oil (Rp/litre) *				Coal (Rp/kg)	Natural Gas (Rp/MMSCF)	Geothermal (Rp/kWh)
	HSD	IDO	MFO	Average			
2015	6,951.23	6,400.37	5,086.56	6,395.47	662.46	105,917.94	748.71
2016	5,725.51	4,715.78	3,783.04	4,855.19	611.23	101,123.24	722.41
2017	7,239.41	5,639.44	5,358.30	6,259.85	782.61	106,480.22	737.81
2018	9,419.48	8,422.00	4,125.75	7,421.62	767.08	119,115.94	841.42
2019	7,854.87	7,039.06	6,427.18	7,568.67	766.60	115,521.08	828.71
2020	5,829.21	5,303.47	4,806.53	5,746.55	917.18	101,650.07	845.66
2021	7,206.85	5,952.44	6,846.57	7,841.61	763.65	88,104.56	831.85
2022	11,157.28	27,046.27	7,937.60	13,123.49	865.71	111,751.82	937.06
2023	14,390.62	13,137.85	8,277.16	14,490.83	1,027.42	106,206.48	522.32

*) Unit Price of Oil (HSD, IDO and MFO) including the transportation cost and biodiesel cost

Table 60 : Length of Transmission Lines (kmc)**2015 - 2023**

Year	Voltage					Total	% Growth
	25 - 30 kV	70 kV	150 kV	275 kV	500 kV		
2015	4.16	4,279.05	30,833.64	1,512.71	5,053.00	41,682.56	4.44
2016	60.33	4,669.32	32,423.02	1,856.48	5,056.27	44,065.42	5.72
2017	100.95	5,035.05	35,801.96	2,889.25	5,073.79	48,901.00	10.97
2018	100.95	5,341.98	39,304.50	3,312.47	5,218.38	53,278.27	8.95
2019	100.95	5,397.06	44,563.86	3,647.65	5,249.52	58,959.05	10.66
2020	100.95	5,655.64	46,680.19	3,647.65	5,249.74	61,334.18	4.03
2021	100.95	5,878.97	48,733.87	3,647.64	6,445.35	64,806.79	5.66
2022	100.95	5,910.21	51,395.60	3,828.11	6,970.92	68,205.81	5.24
2023	101.33	6,747.14	69,075.92	4,572.67	7,194.43	87,691.48	28.57

Table 61 : Length of Medium and Low Voltage Lines (kmc)

2015 - 2023

Year	Medium Voltage			Total	Low Voltage
	6 - 7 kV	10 - 12 kV	15 - 20 kV		
2015	5.36	3.12	342,970.50	342,978.98	500,119.41
2016	5.43	3.12	359,738.69	359,747.24	527,493.83
2017	-	-	373,825.50	373,825.50	546,595.79
2018	-	-	388,953.99	388,953.99	564,505.52
2019	-	-	401,421.90	401,421.90	578,433.47
2020	-	-	414,800.15	414,800.15	591,465.00
2021	-	-	423,807.51	423,807.51	598,316.55
2022	-	-	430,509.15	430,509.15	603,152.94
2023	-	-	438,900.17	438,900.17	609,282.99

Table 62 : Balance Sheet (million Rp)**2019 - 2023**

Description	2023	2022	2021	2020	2019
FIXED ASSET					
- Total Fixed Asset	1,423,711,513	1,355,295,882	1,288,198,530	1,321,938,430	1,284,315,938
- Accumulated Despreciation	(106,761,876)	(62,939,849)	(33,792,415)	(95,020,433)	(70,853,977)
- Impairment Losses Accumulation	(3,759,262)	(3,674,774)	(2,716,757)	(208,422)	(210,303)
Total Fixed Asset (Net)	1,313,190,376	1,288,681,259	1,251,689,358	1,226,709,575	1,213,251,658
P D P and ATTB	135,780,245	144,367,723	175,369,000	175,178,912	187,433,460
Right-of-use Assets	30,574,504	29,005,193	29,762,537	31,193,985	-
Other Non-Current Assets	32,643,618	29,434,865	34,153,751	27,020,379	20,486,494
Receivables from Government	-	2,587,938	18,254,891	17,275,490	-
Investments in Associates and Joint Ventures	26,526,781	24,243,468	17,810,839	14,112,585	10,300,765
Deffered Tax Assets	540,694	427,448	264,705	195,289	2,215,963
CURRENT ASSETS					
- Cash & Bank	55,920,541	51,503,096	37,968,399	54,735,434	46,598,783
- Receivables from Government	22,446,998	18,882,562	8,300,000	819,067	-
- Temporary Investment	913,670	533,332	297,720	366,708	334,153
- Receivable	26,840,955	24,757,282	23,802,386	21,278,416	25,130,538
- Inventories	17,862,312	17,534,804	10,393,419	10,277,289	12,934,233
- Other Current Assets	7,399,010	6,180,306	5,149,451	9,751,591	66,368,966
Total Current Assets	131,383,486	119,391,382	85,911,375	97,228,505	151,366,673
TOTAL ASSETS	1,670,639,704	1,638,139,276	1,613,216,456	1,588,914,720	1,585,055,013
EQUITY					
Total Equity	1,015,631,399	991,450,566	981,607,123	939,812,592	929,380,413
LONG TERM LIABILITIES					
- Deffered Tax Liabiliiies	511,812,872	501,617,259	485,070,853	499,472,600	496,376,447
- Long Term Loan	58,228,739	48,427,461	45,576,375	31,746,600	28,121,540
- Other Long Term Liabilities	363,181,243	367,419,545	377,669,316	407,280,550	417,282,895
- Employee Benefit Liabilities	27,571,852	20,731,673	13,737,435	5,835,997	133,754
- Employee Benefit Liabilities	62,831,038	65,038,580	48,087,727	54,609,453	50,838,258
SHORT TERM LIABILITIES					
- Trade Payables	143,195,433	145,071,451	146,538,480	149,629,528	159,298,153
- Short Term Loan	57,147,527	51,083,262	47,904,756	39,148,555	52,002,783
- Other Short Term Liabilities	33,037,450	41,565,592	41,537,787	43,319,666	35,935,599
- Employee Benefit Liabilities	45,128,076	43,111,481	46,774,944	58,201,596	66,127,304
- Employee Benefit Liabilities	7,882,380	9,311,116	10,320,993	8,959,711	5,232,467
Total Long Term & Short Term Liabilities	655,008,305	646,688,710	631,609,333	649,102,128	655,674,600
TOTAL EQUITY & LIABILITIES	1,670,639,704	1,638,139,276	1,613,216,456	1,588,914,720	1,585,055,013

Table 63 : Profit and Loss (million Rp)

2019 - 2023

Description	2023	2022	2021	2020	2019
OPERATION REVENUE					
- Electricity Sales	333,191,062	311,057,224	288,862,726	274,898,464	276,061,925
- Connection Fees	1,288,284	857,468	493,437	312,725	6,934,597
- Government Subsidy	68,636,731	58,831,960	49,796,949	47,988,114	51,711,774
- Competition Revenue	73,991,897	63,649,821	23,392,162	17,904,508	22,253,517
- Others	10,276,090	6,735,470	4,426,733	4,311,826	2,644,067
Total Operation Revenue	487,384,064	441,131,943	366,972,007	345,415,637	359,605,880
OPERATION COST					
- Fuel & Lubricant Oil	164,731,578	151,376,726	118,419,490	106,014,285	136,084,482
- Electricity Purchase and Rented Generator	154,831,184	130,230,383	103,553,472	96,250,367	83,563,991
- Rented	1,874,862	2,793,187	4,772,014	5,502,571	3,617,376
- Maintenance	29,518,324	23,948,698	22,600,774	21,940,509	22,328,178
- Personnel	32,355,934	24,884,860	25,092,756	24,965,707	25,908,771
- Property, Plant and Equipment Depreciation	43,967,082	40,992,657	41,441,271	39,142,580	35,318,071
- Right-of-use Assets Depreciation	3,347,165	3,063,978	-	-	-
- Others	9,557,861	8,903,313	7,239,348	7,192,146	8,620,069
Total Operation Cost	440,183,990	386,193,802	323,119,125	301,008,165	315,440,938
OPERATING PROFIT	47,200,074	54,938,141	43,852,882	44,407,472	44,164,942
Other Income (Expenses) - Net	1,513,051	2,841,675	(3,719,419)	1,916,966	(3,667,666)
Other Profit (Loss) - Exchange Rate	3,723,639	(19,790,474)	2,676,145	(7,742,152)	9,486,326
Finance Income	953,515	687,495	787,231	1,125,519	755,103
Finance Expenses	(21,010,355)	(17,135,165)	(20,375,755)	(27,415,886)	(24,619,495)
PROFIT (LOSS) BEFORE TAX	32,379,924	21,541,672	23,221,084	12,291,919	26,119,210
TAX BENEFIT (EXPENSES)	(10,308,466)	(7,126,952)	(10,046,207)	(6,298,491)	(21,797,080)
PROFIT (LOSS) FOR THE YEAR	22,071,458	14,414,720	13,174,877	5,993,428	4,322,130

Table 64 : Fixed Asset & Depreciation (million Rp)**2019 - 2023**

Year	Balance	Accumulated Depreciation	Book Value 2023
2019	1,433,688,124	(215,711,010)	1,217,977,114
2020	1,338,905,004	(102,773,842)	1,236,131,162
2021	1,275,858,119	(21,452,005)	1,254,406,114
2022	1,355,295,882	(62,939,849)	1,288,681,259
2023	1,423,711,513	(106,761,876)	1,313,190,376

Table 65 : Sales, Account Receivables and Average Collection Rate**2019 - 2023**

Year	Public	Armed Forced	Non Armed Forced	Local Government	State Owned Enterprise	Total
2019	21,667,905.37	807,914.95	332,955.27	1,046,119.14	783,233.77	24,638,128.49
2020	18,955,712.94	960,996.15	283,989.82	855,399.46	491,381.49	21,547,479.86
2021	21,938,749.45	698,113.57	326,006.59	829,596.21	622,366.78	24,414,832.60
2022	22,681,906.97	662,136.52	395,637.22	1,000,014.22	656,233.13	25,395,928.06
2023	23,287,241.55	622,856.25	427,529.61	1,031,729.37	701,089.88	26,070,446.65

Table 66 : Sales, Account Receivables and Average Collection Rate**2019 - 2023**

Year	Sales (Million Rp)	Account Receivable (Million Rp)	Average (day)
2019	277,517,060.41	24,638,128.49	32.40
2020	260,963,721.43	21,547,479.86	30.14
2021	279,094,308.54	24,414,832.60	31.93
2022	311,339,066.61	25,395,928.06	29.77
2023	333,279,863.57	26,070,446.65	28.55

Time Series Data

Table 67 : Generation Cost (million Rp)*

2019 - 2023

Year	Hydro	Steam	Diesel	Gas Turbine	Geothermal	Combined Cycle	Sun	Total
2019	3,733,532.17	73,588,295.53	25,205,660.45	18,316,690.97	4,096,028.34	46,919,171.99	-	171,859,379.45
2020	3,251,636.89	66,240,919.95	17,214,040.78	14,595,312.58	4,272,648.63	35,826,463.19	48,797.69	141,401,022.03
2021	3,315,028.28	71,840,474.77	20,612,686.15	13,344,252.01	4,260,437.93	38,666,589.57	57,926.49	152,097,395.20
2022	3,696,716.16	81,130,541.42	33,977,586.28	19,274,125.14	4,710,965.74	45,024,836.49	76,923.38	187,891,694.60
2023	3,513,131.61	97,214,691.33	35,367,589.60	17,081,483.13	5,024,741.14	51,241,825.64	124,446.85	209,567,909.31

**) Generation operating cost are the cost of own generation and project*

Table 68 : Average Generation Cost (Rp/kWh)

2019 - 2023

Year	Hydro	Steam	Diesel	Gas Turbine	Geothermal	Combined Cycle	Sun	Average
2019	599.71	653.12	3,308.26	2,570.03	1,191.25	1,357.75	-	2,999.73
2020	438.57	636.55	4,746.32	1,611.79	1,107.89	1,322.23	11,817.73	3,097.30
2021	398.28	667.88	5,905.80	1,247.92	107.15	126.09	1,284.44	1,391.08
2022	373.22	737.52	5,978.77	1,837.37	118.74	143.97	1,034.52	1,460.59
2023	464.50	786.89	8,748.35	1,238.95	1,220.69	1,473.18	11,619.66	1,095.19

Table 69 : Financial Ratios**2019 - 2023**

Indicator	Unit	2023	2022	2021	2020	2019
I. Financial Indicator						
- Cash Ratio	%	35.87	35.87	26.11	36.82	0.29
- Rentability Ratio	%	1.45	1.45	1.34	0.64	0.47
- Solvability Ratio	%	39.48	39.48	39.15	40.90	41.37
- Liquidity Ratio	%	82.30	82.30	58.63	64.92	95.02
II. Financial Covenant						
- CICR	Times	3.67	4.43	3.03	2.74	3.11
- Financial Liabilities to Total Assets	%	23.72	24.97	25.52	27.75	28.65
- EBITDA Interest Coverage Ratio	Times	4.69	5.89	4.38	3.16	3.32
III. Operating Activity (Financial)						
- Fixed Assets Turnover	Times	0.22	0.22	0.20	0.19	0.20
- Average Period of Receivable Collection	Day	28.49	28.49	28.48	30.89	32.35
- Receivable Turnover	Times	12.81	12.81	12.82	11.85	11.28
- Material Turnover	Times	3.61	3.61	3.80	3.16	5.02

Time Series Data

Graph 5. Revenues (2019 - 2023)

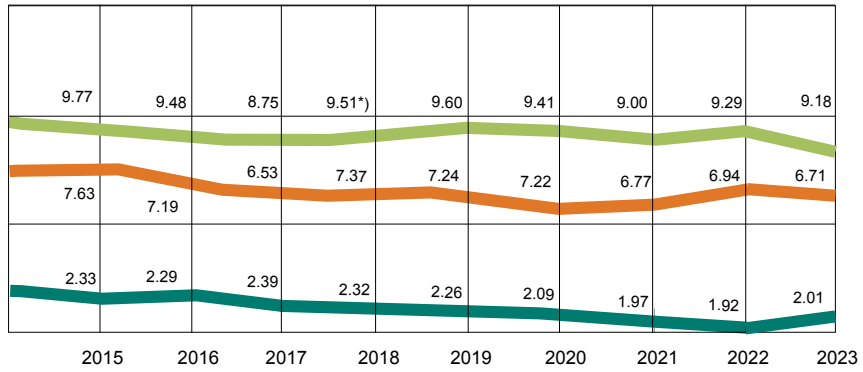
(Trillion Rp)



Note: Data from AP2T Application

Graph 6. Energy Losses + PS (2015 - 2023)

(%)



*) Without kWh e-min

■ Energy Losses
■ Distribution
■ Transmission



END OF FIVE YEAR DEVELOPMENT PLAN DATA

03

End of Five Year Development Plan Data

Table 70 : Number of Customers

2023

Type of Customer	End of FYDP VI (1998)	2003*	2008	2013	2018	Year 2023
- Residential	24,902,763	29,997,554	36,025,071	50,116,127	66,071,133	81,551,348
- Industrial	43,088	46,818	47,536	55,546	88,185	206,770
- Business	847,940	1,310,686	1,716,046	2,418,431	3,750,666	4,806,141
- Others	639,698	796,358	1,055,433	1,406,104	2,007,413	2,589,019
Total	26,433,489	32,151,416	38,844,086	53,996,208	71,917,397	89,153,278

*) Continues Data from year REPELITA VI (1998)

Table 71 : Average Growth Rate of Number of Customer per Year (%)

2023

Type of Customer	FYDP VI *)	1999/2003**)	2004/2008	2009/2013	2014/2018	2019/2023
- Residential	10.97	3.79	3.73	6.85	5.69	4.30
- Industrial	1.62	1.70	0.31	3.18	9.73	18.66
- Business	11.89	9.16	5.67	7.14	9.20	5.11
- Others	8.94	4.48	5.80	5.92	7.39	5.23
Total	10.93	3.99	3.86	6.83	5.90	4.39

*) to the end of year 1999

**) Continues Data from year REPELITA VI (1998)

Table 72 : Connected Capacity (MVA)

2023

Type of Customer	End of FYDP VI (1998)	2003*	2008	2013	2018	Year 2023
- Residential	15,887.50	22,467.94	29,334.55	45,214.25	63,576.71	85,318.86
- Industrial	10,698.91	12,413.55	14,531.35	21,544.30	29,136.29	36,698.11
- Business	5,665.04	7,824.56	11,941.56	19,931.50	27,751.75	36,060.99
- Others	2,344.39	2,884.01	4,278.07	6,404.80	9,815.80	13,430.47
Total	34,595.84	45,590.06	60,085.53	93,094.85	130,280.55	171,508.42

*) Continues Data from year REPELITA VI (1998)

End of Five Year Development Plan Data

Table 73 : Average Growth Rate of Connected Capacity per Year (%)

2023

Type of Customer	FYDP VI *)	1999/2003**)	2004/2008	2009/2013	2014/2018	2019/2023
- Residential	11.93	7.19	5.48	9.07	7.05	6.06
- Industrial	5.90	3.03	3.21	8.29	6.24	4.73
- Business	14.20	6.68	8.83	10.84	6.85	5.38
- Others	5.43	4.26	8.22	8.43	8.92	6.47
Total	9.73	5.68	5.68	9.19	6.95	5.65

*) to the end of year 1999

*) Continues Data from year REPELITA VI (1998)

Table 74 : Energy Sold (GWh)

2023

Type of Customer	End of FYDP VI (1998)	2003*)	2008	2013	2018	Year 2023
- Residential	24,865.45	35,753.05	50,184.17	77,210.71	97,832.28	122,339.69
- Industrial	27,995.54	36,497.25	47,968.85	64,381.39	76,946.50	88,587.68
- Business	8,655.96	13,223.84	22,926.29	34,498.38	44,027.40	57,112.00
- Others	3,744.46	4,966.81	7,939.50	11,450.53	15,811.69	20,396.41
Total	65,261.41	90,440.95	129,018.81	187,541.01	234,617.87	288,435.78

*) Continues Data from year REPELITA VI (1998)

Table 75 : Average Growth Rate of Energy Sold per Year (%)

2023

Type of Customer	FYDP VI *)	1999/2003**)	2004/2008	2009/2013	2014/2018	2019/2023
- Residential	13.25	7.61	7.02	9.01	4.88	4.60
- Industrial	8.54	5.54	5.65	6.19	3.69	3.09
- Business	17.04	8.90	11.66	8.54	5.02	5.67
- Others	7.61	5.87	9.94	7.60	6.68	5.35
Total	11.09	6.79	7.38	7.79	4.59	4.25

*) to the end of year 1999

*) Continues Data from year REPELITA VI (1998)

Table 76 : Energy Losses (%)**2023**

Function	End of FYDP VI (1998)	2003**)	2008	2013	2018	Year 2023
Transmission	2.35	2.46	2.17	0.92	2.32	2.01
Distribution	9.99	14.41	8.29	3.00	7.37	6.71
Total	12.34	16.88	10.67	4.03	9.75	8.57

**) Continues Data from year REPELITA VI (1998)

Table 77 : Installed Capacity (MW)**2023**

Type of Generating	End of FYDP VI (1998)	2003**)	2008	2013	2018	Year 2023
- PLTA	3,006.76	3,167.93	3,504.28	3,519.49	3,582.98	3,597.12
- PLTU	6,770.60	6,900.00	8,764.00	15,554.00	20,192.00	20,439.90
- PLTG	1,347.41	1,224.72	2,496.69	2,893.88	3,133.61	2,763.97
- PLTGU	6,560.97	6,863.22	7,370.97	8,814.11	9,812.11	12,089.10
- PLTP	360.00	380.00	415.00	568.00	579.50	579.26
- PLTD*)	2,535.02	2,670.42	3,042.72	2,847.78	4,383.42	5,592.52
- PLT Surya	-	-	-	7.94	12.07	32.33
- PLT Bayu	-	-	0.26	0.42	0.47	0.47
- PLT Biomass	-	-	-	-	-	0.52
Total	20,580.76	21,206.29	25,593.92	34,205.63	41,696.67	45,095.19

*) Installed capacity including PLTMG

**) Continues Data from year REPELITA VI (1998)

Table 78 : Average Growth Rate of Installed Capacity per Year (%)**2023**

Type of Generating	FYDP VI	1999/2003	2004/2008	2009/2013	2009/2013	2019/2023
- PLTA	5.81	1.06	2.11	0.09	0.36	0.08
- PLTU	6.59	0.38	5.13	12.58	5.77	0.26
- PLTG	7.58	(1.27)	19.34	3.70	1.69	(2.42)
- PLTGU	11.20	1.00	1.62	3.90	2.23	4.30
- PLTP	11.25	1.11	1.80	6.90	0.50	(0.01)
- PLTD	3.88	1.09	2.71	(0.60)	9.20	5.19
- PLTMG*)	-	-	16.40	11.74**)	-	1.13***)
- PLT Bayu	-	-	32.00	53.08	12.20	-
- PLT Surya	-	-	-	195.90	14.08	22.04
Total	7.48	0.60	3.89	6.06	4.13	1.60

*) "PLTMG" has been in operation since 2004, but from 2012 to 2020, its capacity was merged with "PLTD". It was reintroduced separately in 2021

**) Represents the growth rate from 2009 to 2011

***) Represents the growth rate from 2021 to 2023

End of Five Year Development Plan Data

Table 79 : Energy Production (GWh)

2023

Type of Generating	End of FYDP VI (1998)	2003*)	2008	2013	2018	Year 2023
Own Production :						
- PLTA	9,649.00	8,472.16	10,739.97	13,009.55	10,728.68	10,655.07
- PLTU	30,512.37	42,178.01	52,352.96	80,926.10	113,902.01	114,598.55
- PLTG	1,395.50	2,486.25	5,310.75	5,916.51	3,210.32	1,652.05
- PLTGU	24,940.78	28,409.31	35,730.72	36,423.42	38,762.01	36,726.23
- PLTP	2,616.80	2,958.63	3,390.66	4,345.09	4,012.81	4,310.50
- PLTD	5,306.55	5,541.39	5,704.52	3,212.13	7,573.83	3,407.29
- PLTMG	-	-	110.24	381.75	-	8,242.96
- PLT Bayu	-	-	-	5.48	4.21	-
- PLT Biomass	-	-	-	-	-	0.01
- PLT Surya	-	-	-	-	-	12.84
- Rented Genset	543.61	2,435.17	4,706.94	19,745.72	10,504.60	4,375.37
Sub Total	74,964.61	92,480.92	118,046.84	163,965.75	188,698.46	183,980.89
Purchased	2,938.76	20,538.76	31,389.66	52,222.79	78,386.92	139,339.73
Total Production	77,903.37	113,019.68	149,436.51	216,118.54	267,085.38	323,320.62

*) Energy produced by Mini Hydro and Micro Hydro are included in Hydro

Table 80 : Average Growth Rate of Energy Production per Year (%)

2023

Production	FYDP VI *)	1999/2003****)	2004/2008	2009/2013	2014/2018	2019/2023
Own Production :						
- PLTA	3.11	(1.98)	5.39	8.07	(1.99)	0.85
- PLTU	8.05	6.82	4.56	9.30	7.12	0.23
- PLTG	(8.61)	14.56	21.49	5.16	(2.75)	(11.32)
- PLTGU	24.15	2.72	4.83	0.77	1.42	(0.38)
- PLTP	17.30	2.73	2.85	5.42	(1.46)	1.46
- PLTD	3.66	0.98	(20.10)	(10.36)	23.45	(12.31)
- PLTMG **)	-	-	(1.82)	94.60	(3.04)	16.86
- PLT Bayu ***)	-	-	(20.00)	1481.62	(25.87)	(20.00)
- PLT Biomass	-	-	-	-	-	-
- PLT Surya ***)	-	-	-	60.00	(24.49)	24.41
- Rented Genset	-	40.48	15.65	35.38	(10.97)	(14.55)
Sub Total	10.44	4.31	5.01	6.83	2.89	(0.42)
Purchased	23.86	51.15	8.98	10.98	8.54	12.23
Total Production	10.92	7.75	5.75	7.67	4.34	3.93

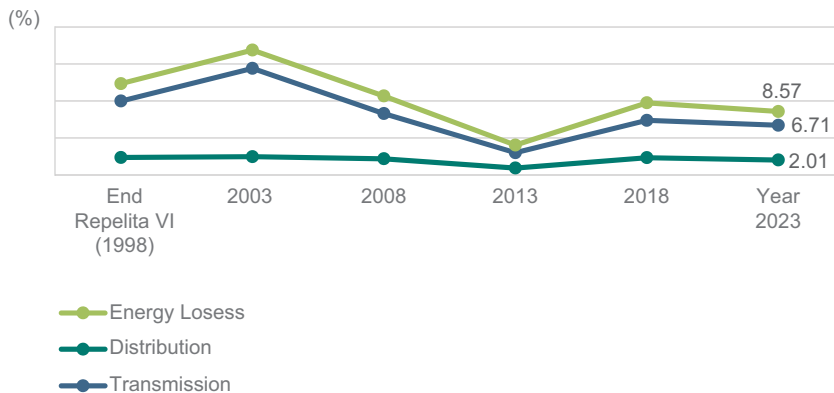
*) To the end of year 1999

**) Since 2004

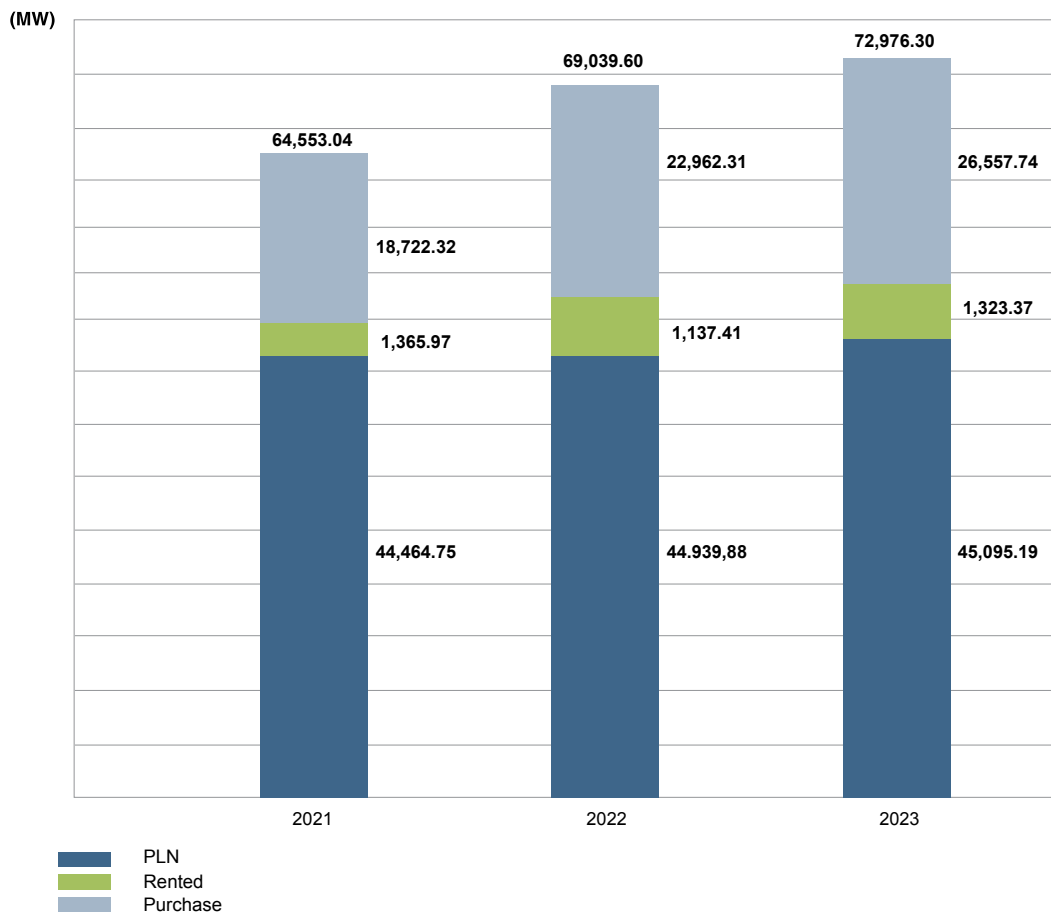
***) Since 2007

****) Continues Data from year REPELITA VI (1998)

Graph 7. Energy Losses

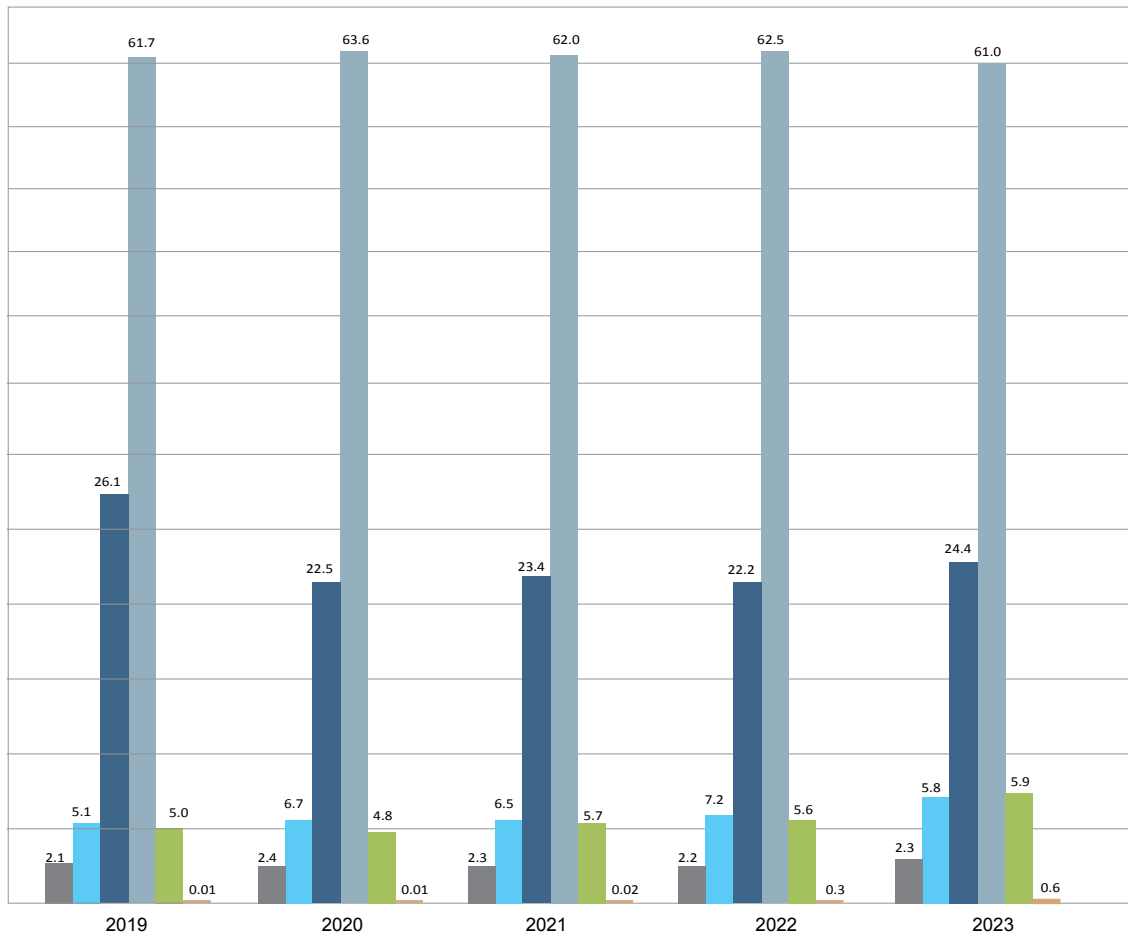


Graph 8. Installed Capacity of National



Graph 9. Energy Mix in 2019 - 2023

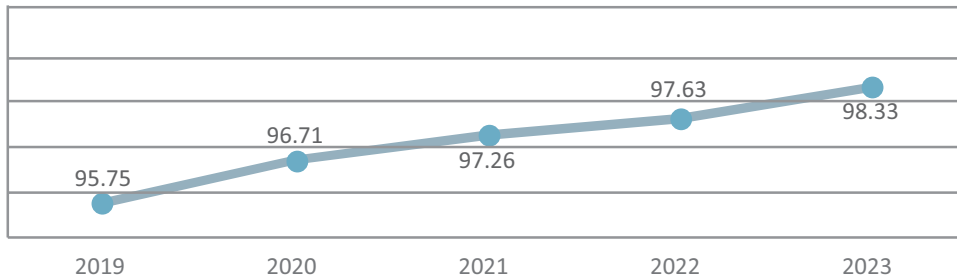
(%)



- Geothermal
- Hydro
- Natural Gas
- Coal
- Oil
- Sun, Wind and Others

Graph 10. Electrification Ratio *)

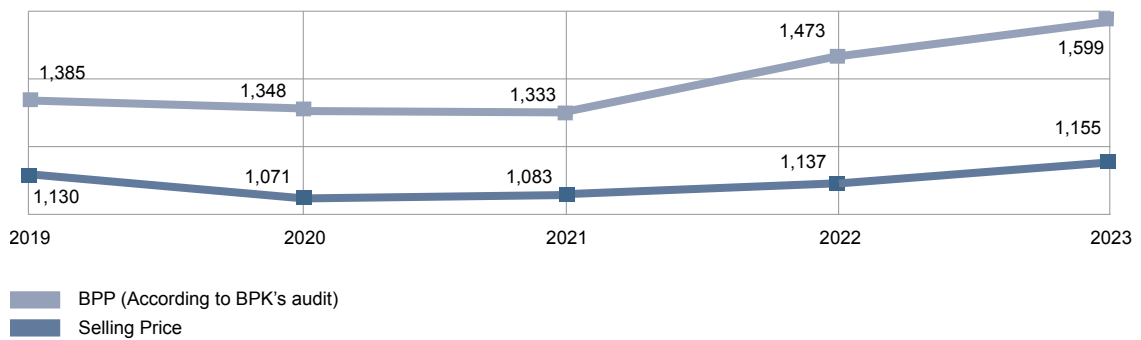
(%)



*) Excluding non PLN Customers

Graph 11. Basic Cost of Electricity Production and Average Selling Price

(Rp/kWh)





OPERATIONAL REGION AND LOCATION OF PLN REGION OFFICES

04

Operational Region and Location of PLN Region Offices





PLN Region Offices and Subsidiaries Address

PT PLN (Persero) UID Aceh

Jl. Tgk. H. M. Daud Beureu-eh No. 172,
Banda Aceh, 23243

PT PLN (Persero) UID North Sumatera

Jl. K.L. Yos Soedarso No. 284,
Medan 20115

PT PLN (Persero) UID West Sumatera

Jl. Dr. Wahidin No. 8,
Padang 25121

PT PLN (Persero) UID Riau and Riau Archipelago

Jl. Musyawarah, Kel. Labuh Baru Barat,
Kec. Payung Sekaki,
Pekanbaru, Riau 28295

PT PLN (Persero) UIW Bangka Belitung

Jl. Soekarno Hatta Km. 5,
Pangkalpinang 33171, Kep. Bangka Belitung

**PT PLN (Persero) UID South Sumatra,
Jambi and Bengkulu**

Jl. Kapten A. Rivai No. 37,
Palembang 30129

PT PLN (Persero) UID West Kalimantan

Jl. Adi Sucipto Km. 7,3 Sei Raya,
Pontianak 78391

**PT PLN (Persero) UID South and
Central Kalimantan**

Jl. Panglima Batur Barat No. 1,
Banjarbaru 70711 – South Kalimantan

**PT PLN (Persero) UID East and
North Kalimantan**

Jl. MT. Haryono No. 384,
Balikpapan 76114

**PT PLN (Persero) UID North,
Central Sulawesi and Gorontalo**

Jl. Bethesda No. 32,
Manado 95116

**PT PLN (Persero) UID South,
Southeast and West Sulawesi**

Jl. Letjend. Hertasning Blok B, Kotak Pos 1206,
Panakukang, Makassar 90222

**PT PLN (Persero) UIW Maluku and
North Maluku**

Jl. Diponegoro No. 2,
Ambon 97127

PT PLN (Persero) UIW West Nusa Tenggara

Jl. Langko No. 25 – 27,
Ampenan 83114, Mataram

PT PLN (Persero) UIW East Nusa Tenggara

Jl. Piet A. Tallo 101,
Kupang 85228

PT PLN (Persero) UIW Papua and West Papua

Jl. Jend. A. Yani No. 18,
Jayapura 99111 Kotak Pos 1045

PT PLN (Persero) UID Jakarta Raya

Jl. M.I. Ridwan Rais No. 1,
Jakarta 10110

PT PLN (Persero) UID West Java

Jl. Asia Afrika No. 63,
Bandung 40111

PT PLN (Persero) UID Banten

Jl. Jenderal Sudirman (Akses By Pass) No. 1,
Tangerang 15118

**PT PLN (Persero) UID Central Java and
D.I. Yogyakarta**

Jl. Teuku Umar No. 47,
Semarang 50234

PT PLN (Persero) UID East Java

Jl. Embong Trengguli No. 19 – 21,
Surabaya 60271

PT PLN (Persero) UID Bali

Jl. Letda. Tantular No. 1, Renon,
Denpasar 80234

PT PLN (Persero) UID Lampung

Jl. Z.A. Pagar Alam No. 05,
Bandar Lampung 35144

PT PLN (Persero) Education and Training Center

Jl. HR. Harsono RM No. 59, Pasar Minggu,
Jakarta 12550

PT PLN (Persero) Electricity Maintenance Center

Jl. Banten No. 10,
Bandung 40272

PT PLN (Persero) Certification Center

Jl. Laboratorium, Duren Tiga,
Jakarta 12760

PT PLN (Persero) Construction Management Center

Jl. Slamet No. 1, Gajah Mungkur,
Semarang 50232

PT PLN (Persero) UIK Tanjung Jati B

Ds. Tubanan, Kec. Kembang, Kab. Jepara
Jawa Tengah 59453

PT PLN (Persero) UIP2B

Jl. JCC Cinere 16541,
Jakarta Selatan

PT PLN (Persero) UIP3B Sumatera

Jl. Musyawarah/Nangka Ujung,
Kel. Labuh Baru Barat, Kecamatan Payung Sekaki,
Pekanbaru, Riau 28233

PT PLN (Persero) UIT Western Part of Java

Jl. JCC, Krukut Limo Cinere
Jakarta Selatan 16154

PT PLN (Persero) UIT Central Part of Java

Jl. Moch. Toha Km.4 Komp. PLN GI Cigereleng
Bandung 40255

PT PLN (Persero) UIT Eastern Part of Java and Bali

Jl. Suningat No.45, Taman Sidoarjo
Surabaya 61257

PT PLN (Persero) UIP Northern Part of Sumatera

Jl. Dr. Cipto No. 12
Medan 20152

PT PLN (Persero) UIP Southern Part of Sumatera

Jl. Residen Abdul Rozak No. 2180
Sekojo, Palembang 30118

PT PLN (Persero) UIP Central Part of Sumatera

Komplek Citra Garden Blok R1 No. 7-11 dan R2 No. 1-3
Jl. Purwodadi Panam, Kel. Sidomulyo Barat,
Kec. Tampan, Kota Pekanbaru, Riau 28294

PT PLN (Persero) UIP Western Part of Java

Jl. Ehave – Gandul, Kec. Cinere
Depok 16514

PT PLN (Persero) UIP Central Part of Java

Jl. Karawitan No. 32 Turangga, Lengkong
Bandung 40264

PT PLN (Persero) UIP Nusa Tenggara

Jl. Yos Sudarso No. 2A
Mataram, West Nusa Tenggara 83114

PT PLN (Persero) UIP Western Part of Kalimantan

Jl. Letjen Suprpto No. 50-G
Pontianak, West Kalimantan 78121

PT PLN (Persero) UIP Eastern Part of Kalimantan

Jl. MT Haryono No. 384
Kel. Gunung Bahagia, Kec. Balikpapan Selatan
Kota Balikpapan, East Kalimantan 76114

PT PLN (Persero) UIP Southern Part of Sulawesi

Jl. Letjend Hertasning, Panakukang
Makassar 90222

PT PLN (Persero) UIP Maluku and Papua

Jl. Baru Kotaraja, Kelurahan Wai Mhorock,
Kecamatan Abepura
Jayapura, Papua 99225

PT Haleyora Power

Kindo Square Blok A15-16
Jl. Duren Tiga Raya No. 101,
Jakarta Selatan 12760

PT PLN Indonesia Power

Jl. Jend. Gatot Subroto Kav. 18,
South Jakarta 12950

PT PLN Nusantara Power

Jl. Ketintang Baru I, No. 11,
Surabaya 60231

PT Pelayanan Listrik Nasional Batam

Jl. Engku Putri No. 3, Batam Center,
Batam 29432

PT PLN Icon Plus

Kawasan PLN Cawang
Jl. Mayjend. Sutoyo No.1,
Cililitan, East Jakarta, 13640

PT Prima Layanan Nasional Enjiniring

Jl. Aipda K.S. Tubun 1/2
Jakarta, 11420, Indonesia
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Email : contact@plne.co.id

PT Energy Management Indonesia

Gedung Graha Pura Lantai 3
Jl. Pancoran Indah I No. 52, Pancoran,
South Jakarta, 12780

PT PLN Nusa Daya

Jl. MT. Haryono, Komplek Balikpapan Baru,
Blok A5, No. 1-5, Balikpapan,
East Kalimantan 76114

PLN Region Offices and Subsidiaries Address

PT PLN Energi Primer Indonesia

Jl. Warung Buncit Raya No. 10
Kalibata, Jakarta Selatan 12740

Majapahit Holding BV

Herengracht 450, 1017 CA Amsterdam,
The Netherlands

PT Mandau Cipta Tenaga Nusantara

Gedung Sentral Senayan II
Jl. Asia Afrika No. 8
Kel. Gelora, Kec. Tanah Abang, Central Jakarta

PT PLN (Persero) UIP3B Sulawesi

Jl. Urip Sumoharjo No. Km 7,
Tello Baru, Kec. Panakkukang,
Kota Makassar, Sulawesi Selatan 90233

PT PLN (Persero) UIP3B Kalimantan

Jl. Panglima Batur Barat No. 1,
Banjar Baru, Kalimantan Selatan 70711

**PT PLN (Persero) Electricity Research and
Development Center**

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Jakarta 12760



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