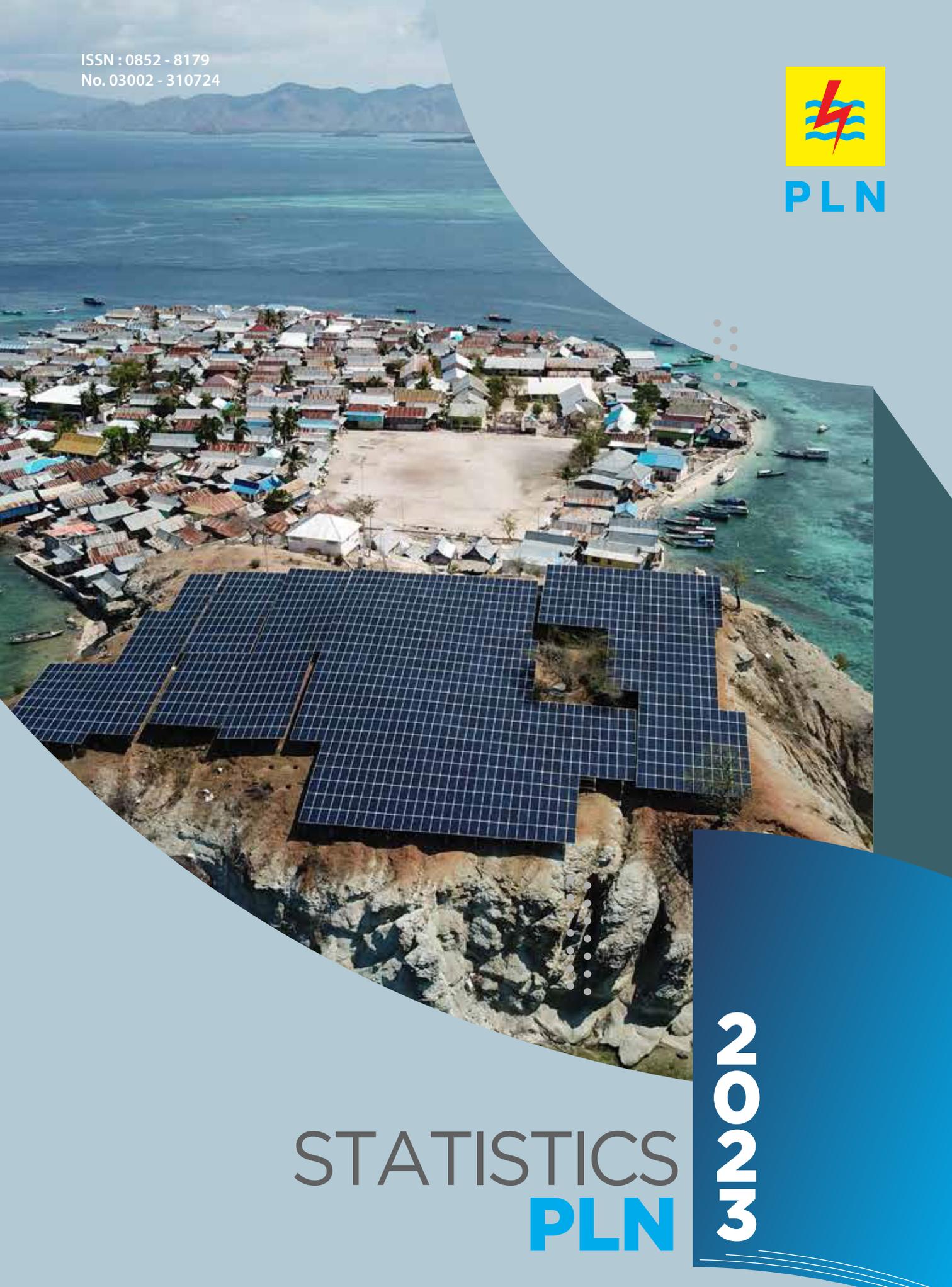


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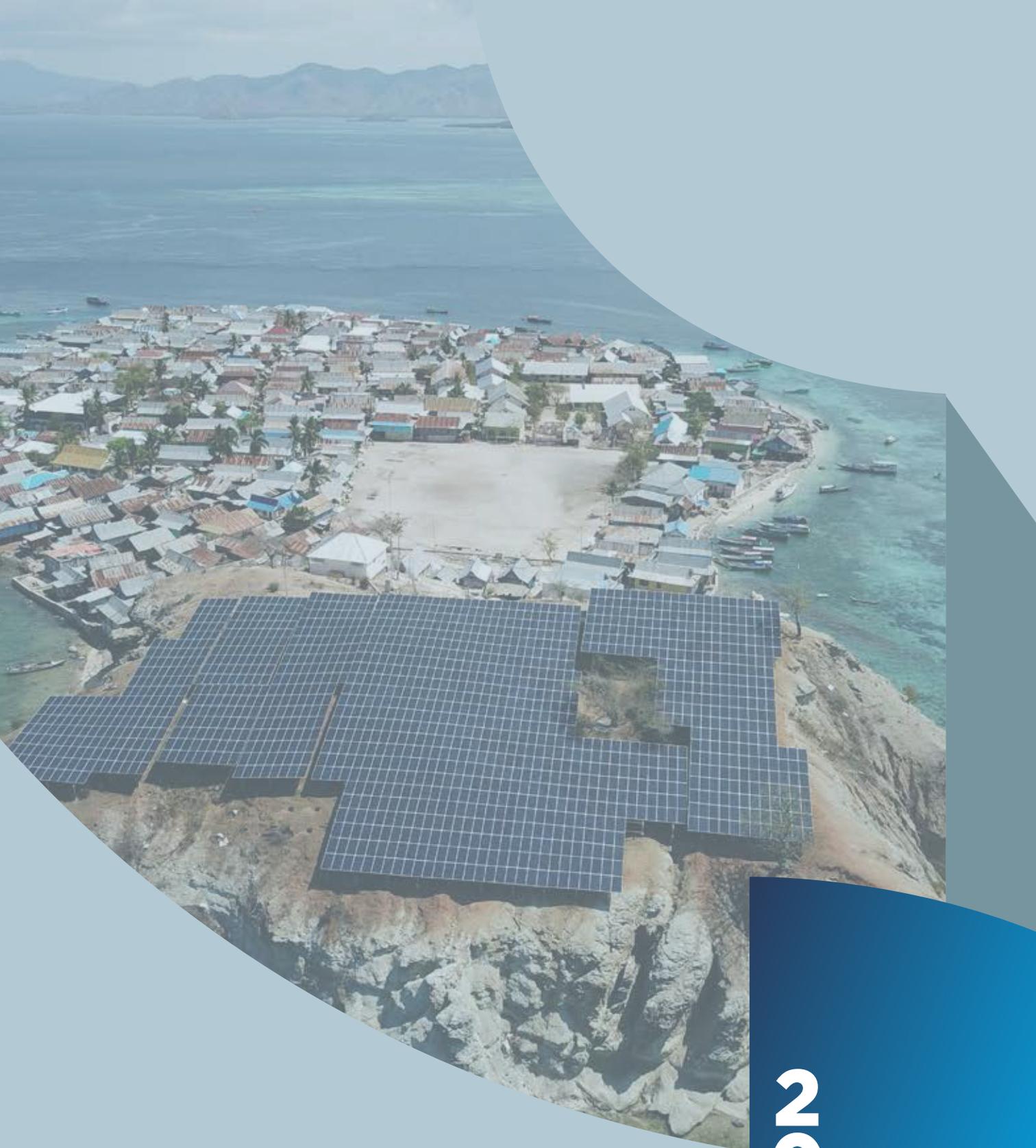
**PLN**



**2023**

# STATISTICS **PLN**





STATISTICS  
**PLN**

**2023**

# Preface

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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 **70,933.24** kilometers. It consists of the following segments: 500 kV network: 7,194.43 kilometers, 275 kV network: **4,406.25** kilometers, 150 kV network: **53,131.83** kilometers, 70 kV network: **6,099.79** kilometers, and 25 & 30 kV network: **100.95** 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

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## 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 <sup>3</sup> Standard Cubic Foot<br>(M=10 <sup>3</sup> )   |
| Gas Turbine    | : Gas Turbine Power Plant    | MMSCF                | : 10 <sup>6</sup> Standard Cubic Foot<br>(MM=10 <sup>6</sup> )  |
| Combined Cycle | : Combined Cycle Power Plant | MMBTU                | : 10 <sup>6</sup> British Thermal Unit<br>(MM=10 <sup>6</sup> ) |
| 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<br>Duration Index                 |
| Wind           | : Wind Power Plant           | SAIFI                | : System Average Interruption<br>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 |

|  |    |
|--|----|
| <b>Operational Region and Location of PLN Region Offices</b> | 80 |
| <b>PLN Region Offices and Subsidiaries Address</b>           | 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/<br>Province         | Load Factor<br>(%) | Capacity Factor<br>(%) | Demand Factor<br>(%) |
|---|--------------------|------------------------|----------------------|
| 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                   | -                    |
| <b>Outside Java</b>                       | <b>61.78</b>       | <b>44.22</b>           | <b>37.64</b>         |
| 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                  | -                    |
| <b>Java</b>                               | <b>63.86</b>       | <b>53.91</b>           | <b>45.08</b>         |
| Generation Project                        | -                  | 66.44                  | -                    |
| <b>Indonesia</b>                          | <b>63.33</b>       | <b>50.58</b>           | <b>42.48</b>         |

**Table 4 : Number of Customers by Type of Customers**
**2023**

| PLN Operational Unit/<br>Province         | Residential       | Indus-<br>trial | Business         | Social           | Gov. Office<br>Building | Publ. Street<br>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          |
| <b>Outside Java</b>                       | <b>32,877,159</b> | <b>36,421</b>   | <b>2,022,551</b> | <b>792,758</b>   | <b>155,203</b>          | <b>93,834</b>            | <b>35,977,926</b> | <b>40.36</b>  |
| 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          |
| <b>Java</b>                               | <b>48,674,189</b> | <b>170,349</b>  | <b>2,783,590</b> | <b>1,200,320</b> | <b>87,071</b>           | <b>259,833</b>           | <b>53,175,352</b> | <b>59.64</b>  |
| <b>Indonesia</b>                          | <b>81,551,348</b> | <b>206,770</b>  | <b>4,806,141</b> | <b>1,993,078</b> | <b>242,274</b>          | <b>353,667</b>           | <b>89,153,278</b> | <b>100.00</b> |
| <b>(%)</b>                                | <b>91.47</b>      | <b>0.23</b>     | <b>5.39</b>      | <b>2.24</b>      | <b>0.27</b>             | <b>0.40</b>              | <b>100.00</b>     |               |

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

| PLN Operational Unit/<br>Province         | Residential      | Industrial       | Business         | Social          | Gov. Office<br>Building | Publ. Street<br>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          |
| <b>Outside Java</b>                       | <b>35,175.18</b> | <b>7,239.17</b>  | <b>12,126.50</b> | <b>3,158.27</b> | <b>1,707.80</b>         | <b>565.67</b>            | <b>59,972.59</b>  | <b>34.97</b>  |
| 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         |
| <b>Java</b>                               | <b>50,143.67</b> | <b>29,458.94</b> | <b>23,934.50</b> | <b>4,908.39</b> | <b>2,281.34</b>         | <b>808.99</b>            | <b>111,535.83</b> | <b>65.03</b>  |
| <b>Indonesia</b>                          | <b>85,318.86</b> | <b>36,698.11</b> | <b>36,060.99</b> | <b>8,066.67</b> | <b>3,989.14</b>         | <b>1,374.66</b>          | <b>171,508.42</b> | <b>100.00</b> |
| <b>(%)</b>                                | <b>49.75</b>     | <b>21.40</b>     | <b>21.03</b>     | <b>4.70</b>     | <b>2.33</b>             | <b>0.80</b>              | <b>100.00</b>     |               |

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

| PLN Operational Unit/<br>Province            | Residential       | Industrial       | Business         | Social           | Gov. Office<br>Building | Publ. Street<br>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<br>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<br>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          |
| <b>Outside Java</b>                          | <b>46,812.52</b>  | <b>17,906.03</b> | <b>19,134.47</b> | <b>4,230.72</b>  | <b>2,193.51</b>         | <b>1,748.19</b>          | <b>92,025.44</b>  | <b>31.91</b>  |
| 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         |
| <b>Java</b>                                  | <b>75,527.17</b>  | <b>70,681.65</b> | <b>37,977.53</b> | <b>7,265.39</b>  | <b>3,091.60</b>         | <b>1,867.00</b>          | <b>196,410.34</b> | <b>68.09</b>  |
| <b>Indonesia</b>                             | <b>122,339.69</b> | <b>88,587.68</b> | <b>57,112.00</b> | <b>11,496.10</b> | <b>5,285.12</b>         | <b>3,615.19</b>          | <b>288,435.78</b> | <b>100.00</b> |
| <b>(%)</b>                                   | <b>42.41</b>      | <b>30.71</b>     | <b>19.80</b>     | <b>3.99</b>      | <b>1.83</b>             | <b>1.25</b>              | <b>100.00</b>     |               |

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

2023

| PLN Operational Unit/<br>Province         | Residential           | Industrial           | Business             | Social              | Gov. Office<br>Building | Publ. Street<br>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          |
| <b>Outside Java</b>                       | <b>54,646,052.04</b>  | <b>18,116,315.40</b> | <b>24,694,036.19</b> | <b>3,483,333.45</b> | <b>3,511,080.44</b>     | <b>2,986,960.67</b>      | <b>107,437,778.18</b> | <b>32.24</b>  |
| 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         |
| <b>Java</b>                               | <b>86,796,495.24</b>  | <b>77,586,941.27</b> | <b>47,304,106.44</b> | <b>6,081,210.95</b> | <b>4,881,279.65</b>     | <b>3,192,051.83</b>      | <b>225,842,085.39</b> | <b>67.76</b>  |
| <b>Indonesia</b>                          | <b>141,442,547.28</b> | <b>95,703,256.67</b> | <b>71,998,142.63</b> | <b>9,564,544.40</b> | <b>8,392,360.09</b>     | <b>6,179,012.50</b>      | <b>333,279,863.57</b> | <b>100.00</b> |
| (%)                                       | 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/<br>Province         | Residential     | Industrial        | Business         | Social          | Gov. Office<br>Building | Publ. Street<br>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        |
| <b>O u t s i d e J a v a</b>              | <b>1,423.86</b> | <b>491,640.26</b> | <b>9,460.56</b>  | <b>5,336.71</b> | <b>14,133.17</b>        | <b>18,630.67</b>         | <b>2,557.83</b> |
| 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        |
| <b>J a v a</b>                            | <b>1,551.69</b> | <b>414,922.60</b> | <b>13,643.36</b> | <b>6,052.88</b> | <b>35,506.66</b>        | <b>7,185.38</b>          | <b>3,693.63</b> |
| <b>I n d o n e s i a</b>                  | <b>1,500.15</b> | <b>428,435.85</b> | <b>11,883.13</b> | <b>5,768.01</b> | <b>21,814.64</b>        | <b>10,222.02</b>         | <b>3,235.28</b> |

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

| PLN Operational Unit/<br>Province         | Residential | Industrial | Business | Social   | Gov. Office<br>Building | Publ. Street<br>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/<br>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          |
| <b>Outside Java</b>                       | <b>35,900,313</b> | <b>77,592</b>  | <b>21</b>  | <b>35,977,926</b> | <b>40.36</b>  |
| 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          |
| <b>Java</b>                               | <b>53,123,918</b> | <b>51,328</b>  | <b>106</b> | <b>53,175,352</b> | <b>59.64</b>  |
| <b>Indonesia</b>                          | <b>89,024,231</b> | <b>128,920</b> | <b>127</b> | <b>89,153,278</b> | <b>100.00</b> |
| (%)                                       | 99.86             | 0.14           | 0.00       | 100               |               |

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

2023

| PLN Operational Unit/<br>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          |
| <b>Outside Java</b>                       | <b>49,772.29</b>  | <b>8,630.45</b>  | <b>1,569.85</b> | <b>59,972.59</b>  | <b>34.97</b>  |
| 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         |
| <b>Java</b>                               | <b>73,340.60</b>  | <b>32,338.29</b> | <b>5,856.95</b> | <b>111,535.83</b> | <b>65.03</b>  |
| <b>Indonesia</b>                          | <b>123,112.89</b> | <b>40,968.74</b> | <b>7,426.80</b> | <b>171,508.42</b> | <b>100.00</b> |
| (%)                                       | 71.78             | 23.89            | 4.33            | 100.00            |               |

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

| PLN Operational Unit/<br>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          |
| <b>Outside Java</b>                       | <b>68,199.90</b>  | <b>17,246.78</b> | <b>6,578.76</b>  | <b>92,025.44</b>  | <b>31.91</b>  |
| 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         |
| <b>Java</b>                               | <b>107,383.73</b> | <b>72,885.57</b> | <b>16,141.04</b> | <b>196,410.34</b> | <b>68.09</b>  |
| <b>Indonesia</b>                          | <b>175,583.63</b> | <b>90,132.35</b> | <b>22,719.80</b> | <b>288,435.78</b> | <b>100.00</b> |
| (%)                                       | 60.87             | 31.25            | 7.88             | 100.00            |               |

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

2023

| PLN Operational Unit/<br>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          |
| <b>Outside Java</b>                       | <b>81,774,622.69</b>  | <b>19,289,329.53</b>  | <b>5,008,225.00</b>  | <b>1,365,600.96</b> | <b>107,437,778.18</b> | <b>32.24</b>  |
| 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         |
| <b>Java</b>                               | <b>125,935,651.24</b> | <b>81,062,935.10</b>  | <b>16,217,070.14</b> | <b>2,626,428.90</b> | <b>225,842,085.39</b> | <b>67.76</b>  |
| <b>Indonesia</b>                          | <b>207,710,273.94</b> | <b>100,352,264.63</b> | <b>21,225,295.14</b> | <b>3,992,029.86</b> | <b>333,279,863.57</b> | <b>100.00</b> |
| (%)                                       | 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          |
| <b>Total</b>     | <b>89,153,278</b> | <b>171,508.42</b> | <b>288,435.78</b> | <b>333,279,863,567.74</b> |

\*) Data from AP2T Application

\*\*\*) Included B4 Customers

## Table 15 : Electricity Waiting List

| PLN Operational Unit/<br>Province         | Waiting List Last Month |                       | New Applicants This Month |                          | Payment of Connection Fee<br>This Month |                         | Connected        |                         |
|---|-------------------------|-----------------------|---------------------------|--------------------------|---|-------------------------|------------------|-------------------------|
|   | Total                   | Capacity<br>(kVA)     | Total                     | Capacity<br>(kVA)        | Total                                   | Capacity<br>(kVA)       | Total            | Capacity<br>(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               |
| <b>Outside Java</b>                       | <b>1,028,033</b>        | <b>16,588,513,955</b> | <b>1,959,658</b>          | <b>4,682,458,923.70</b>  | <b>1,674,969</b>                        | <b>3,077,203,637.80</b> | <b>1,694,360</b> | <b>3,218,480,022.30</b> |
| 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          |
| <b>J a v a</b>                            | <b>244,491</b>          | <b>8,523,116,300</b>  | <b>2,254,483</b>          | <b>6,694,906,050.00</b>  | <b>1,876,544</b>                        | <b>3,934,966,600.00</b> | <b>1,888,045</b> | <b>4,367,169,400.00</b> |
| <b>I n d o n e s i a</b>                  | <b>1,272,524</b>        | <b>25,111,630,255</b> | <b>4,214,141</b>          | <b>11,377,364,973.70</b> | <b>3,551,513</b>                        | <b>7,012,170,237.80</b> | <b>3,582,405</b> | <b>7,585,649,422.30</b> |

| Discharging/<br>Cancelled |                   | Receive From Deposit<br>Connection Fee |                   | Correction of Applica-<br>tion for Connection Fee |                   | Move From<br>Another Unit |                   | Move to Another Unit |                   | Final Waiting List |                   |
|---------------------------|-------------------|--|-------------------|---|-------------------|---------------------------|-------------------|----------------------|-------------------|--------------------|-------------------|
| Total                     | Capacity<br>(kVA) | Total                                  | Capacity<br>(kVA) | Total   | Capacity<br>(kVA) | Total                     | Capacity<br>(kVA) | Total                | Capacity<br>(kVA) | Total              | Capacity<br>(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/<br>Province         | SAIDI<br>Hours/Customer | SAIFI<br>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                    |
| <b>Outside Java</b>                       | <b>8.17</b>             | <b>5.93</b>             |
| 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                    |
| <b>Java</b>                               | <b>3.92</b>             | <b>3.15</b>             |
| <b>Indonesia</b>                          | <b>5.64</b>             | <b>4.27</b>             |

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

| PLN Operational Unit/<br>Province         | Interruption<br>Duration<br>(Hours) | Number of<br>Interruption<br>(Times) | Transmission<br>Lines Length<br>(kmc) | System Outage<br>Duration (SOD)<br>(Hours/100 kmc) | System Outage<br>Frequency (SOF)<br>(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  |
| <b>Outside Java</b>                       | <b>64.77</b>                        | <b>132</b>                           | <b>39,410.72</b>                      | <b>0.16</b>  | <b>0.33</b>   |
| 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                                     | -                                   | -                                    | -                                     | -  | -   |
| <b>J a v a</b>                            | <b>-</b>                            | <b>-</b>                             | <b>-</b>                              | <b>-</b>   | <b>-</b>  |
| <b>I n d o n e s i a</b>                  | <b>64.77</b>                        | <b>132</b>                           | <b>39,410.72</b>                      | <b>0.16</b>  | <b>0.33</b>   |

\*) Previously it was PT PLN Tarakan

Table 18 : Number of Distribution Interruption per 100 kmc

2023

| PLN Operational Unit/<br>Province         | Number of Interruption<br>(Times) | Medium Voltage Lines<br>Length (kmc) | Number of Interruption<br>(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                            | -                                 | -                                    | -   |
| <b>Outside Java</b>                       | <b>22,091</b>                     | <b>261,864.07</b>                    | <b>8.44</b>                               |
| 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                                     | -                                 | -                                    | -   |
| <b>J a v a</b>                            | <b>2,153</b>                      | <b>181,734.10</b>                    | <b>1.18</b>                               |
| <b>I n d o n e s i a</b>                  | <b>24,244</b>                     | <b>443,598.17</b>                    | <b>5.47</b>                               |

\*) Previously it was PT PLN Tarakan

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

| PLN Operational Unit/<br>Province         | Residential<br>(x1.000) | Residential<br>Customers *) | Electrification<br>Ratio **)<br>(%) |
|---|-------------------------|-----------------------------|-------------------------------------|
| 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                               |
| <b>Outside Java</b>                       | <b>34,149.56</b>        | <b>32,882,013</b>           | <b>96.29</b>                        |
| 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                              |
| <b>J a v a</b>                            | <b>48,789.46</b>        | <b>48,674,189</b>           | <b>99.76</b>                        |
| <b>I n d o n e s i a</b>                  | <b>82,939.02</b>        | <b>81,556,202</b>           | <b>98.33</b>                        |

\*) 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/<br>Province         | Hydro           | Mini Hydro    | Micro Hydro  | Steam            | Gas Turbine     | Combined<br>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          | -                 | -             |
| <b>Outside Java</b>                       | <b>964.66</b>   | <b>140.24</b> | <b>32.36</b> | <b>3,651.27</b>  | <b>980.42</b>   | <b>1,217.10</b>   | <b>188.50</b> |
| 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         | -               | -                 | -             |
| <b>Java</b>                               | <b>2,131.28</b> | <b>250.90</b> | <b>8.03</b>  | <b>14,387.40</b> | <b>1,508.95</b> | <b>9,447.41</b>   | <b>356.60</b> |
| Generation Project                        | -               | -             | -            | -                | -               | -                 | -             |
| <b>Indonesia</b>                          | <b>3,095.95</b> | <b>391.13</b> | <b>40.39</b> | <b>18,038.67</b> | <b>2,489.37</b> | <b>10,664.51</b>  | <b>545.10</b> |
| %   | 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/<br>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           | -                | -               | -               | -               | -            |
| <b>O u t s i d e J a v a</b>              | <b>4,542.04</b> | <b>484.98</b>   | <b>121.49</b> | <b>23,354.70</b>  | <b>1,212.99</b> | <b>7,098.41</b>  | <b>1,371.09</b> | <b>3,114.43</b> | <b>7,011.32</b> | <b>11.64</b> |
| 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         | -               | -                | -               | -               | -               | -            |
| <b>J a v a</b>                            | <b>4,667.97</b> | <b>814.92</b>   | <b>23.68</b>  | <b>91,243.85</b>  | <b>439.06</b>   | <b>29,627.82</b> | <b>2,939.41</b> | <b>292.86</b>   | <b>1,231.64</b> | <b>1.21</b>  |
| Generation Projects                       | -               | -               | -             | -                 | -               | -                | -               | -               | -               | -            |
| <b>I n d o n e s i a</b>                  | <b>9,210.01</b> | <b>1,299.90</b> | <b>145.16</b> | <b>114,598.55</b> | <b>1,652.05</b> | <b>36,726.23</b> | <b>4,310.50</b> | <b>3,407.29</b> | <b>8,242.96</b> | <b>12.84</b> |
| %   | 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/<br>Province         | Oil (kilo litre) |        |            |            |       |              |     |            |     | Coal<br>(ton) | Natural<br>Gas<br>(MMSCF) | Biomass<br>(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<br>(Rp/kg) | Natural Gas<br>(Rp/<br>MMSCF) | Geo-<br>thermal<br>(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                     | -                           |
| <b>O u t s i d e J a v a</b>               | <b>12,653.22</b> |                  | <b>7,849.99</b> | <b>12,197.79</b> | <b>1,060.58</b> | <b>81,141.45</b>              | <b>64.64</b>                |
| 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   | -                | -                | -               | -                | -               | -                             | -                           |
| <b>J a v a</b>                             | <b>16,256.62</b> | <b>13,137.86</b> | <b>8,249.29</b> | <b>16,783.86</b> | <b>994.26</b>   | <b>131,271.50</b>             | <b>980.01</b>               |
| <b>I n d o n e s i a **)</b>               | <b>14,390.62</b> | <b>13,137.86</b> | <b>8,277.16</b> | <b>14,490.83</b> | <b>1,027.42</b> | <b>106,206.48</b>             | <b>522.32</b>               |

\*) 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                            | -                            | -            | -            | -                        | -                   | -                    | -                                 |
| <b>Outside Java</b>                       | <b>233</b>                   | <b>992</b>   | <b>1,225</b> | <b>54,521,180.98</b>     | <b>791,310.76</b>   | <b>55,312,491.75</b> | <b>959,009.50</b>                 |
| 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                                     | -                            | -            | -            | -                        | -                   | -                    | -                                 |
| <b>J a v a</b>                            | <b>9</b>                     | <b>19</b>    | <b>28</b>    | <b>886.00</b>            | <b>1,143,867.00</b> | <b>1,144,753.00</b>  | <b>1,558,734.69</b>               |
| <b>Indonesia</b>                          | <b>242</b>                   | <b>1,011</b> | <b>1,253</b> | <b>54,522,066.98</b>     | <b>1,935,177.76</b> | <b>56,457,244.75</b> | <b>2,517,744.19</b>               |

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         | 162.75          | -               | 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 *)                       | -             | -               | -                | -               | -               | -                |
| Kit Sumbagut                              | -             | -               | -                | -               | -               | -                |
| Kit Sumbagsel                             | -             | -               | -                | -               | -               | -                |
| UIP3B Sumatera                            | -             | 531.21          | 16,425.63        | 4,240.08        | 400.42          | 21,597.34        |
| <b>Outside Java</b>                       | <b>4.16</b>   | <b>3,103.35</b> | <b>36,100.38</b> | <b>4,406.25</b> | <b>400.42</b>   | <b>44,014.55</b> |
| 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         |
| <b>Java</b>                               | <b>96.79</b>  | <b>2,996.44</b> | <b>17,031.45</b> | <b>-</b>        | <b>6,794.01</b> | <b>26,918.69</b> |
| <b>Indonesia</b>                          | <b>100.95</b> | <b>6,099.79</b> | <b>53,131.83</b> | <b>4,406.25</b> | <b>7,194.43</b> | <b>70,933.24</b> |

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                          | -              | -          | -                 | -                 |
| <b>Outside Java</b>                       | -              | -          | <b>256,446.12</b> | <b>277,058.46</b> |
| 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         | -              | -          | -                 | -                 |
| <b>Java</b>                               | -              | -          | <b>182,454.05</b> | <b>332,224.53</b> |
| <b>Indonesia</b>                          | -              | -          | <b>438,900.17</b> | <b>609,282.99</b> |

\*) 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          |
| <b>Outside Java</b>                       | <b>5</b>  | <b>2,500.00</b>  | <b>49</b> | <b>13,088.21</b> | <b>1,103</b> | <b>46,881.10</b>  | <b>178</b> | <b>3,774.03</b> | <b>2</b> | <b>30</b> | <b>1,337</b> | <b>66,273.34</b>  |
| 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         |
| <b>J a v a</b>                            | <b>85</b> | <b>41,349.31</b> | <b>-</b>  | <b>-</b>         | <b>1,161</b> | <b>69,281.00</b>  | <b>129</b> | <b>3,261.00</b> | <b>-</b> | <b>-</b>  | <b>1,375</b> | <b>113,891.31</b> |
| <b>I n d o n e s i a</b>                  | <b>90</b> | <b>43,849.31</b> | <b>49</b> | <b>13,088.21</b> | <b>2,264</b> | <b>116,162.10</b> | <b>307</b> | <b>7,035.03</b> | <b>2</b> | <b>30</b> | <b>2,712</b> | <b>180,164.65</b> |

\*) 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                          | -              | -                | -        | -        | -        | -        | -              | -                |
| <b>Outside Java</b>                       | <b>253,701</b> | <b>27,241.22</b> | <b>-</b> | <b>-</b> | <b>-</b> | <b>-</b> | <b>253,701</b> | <b>27,241.22</b> |
| 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         | -              | -                | -        | -        | -        | -        | -              | -                |
| <b>J a v a</b>                            | <b>305,293</b> | <b>39,475.01</b> | <b>-</b> | <b>-</b> | <b>-</b> | <b>-</b> | <b>305,293</b> | <b>39,475.01</b> |
| <b>I n d o n e s i a</b>                  | <b>558,994</b> | <b>66,716.23</b> | <b>-</b> | <b>-</b> | <b>-</b> | <b>-</b> | <b>558,994</b> | <b>66,716.23</b> |

\*) Previously it was PT PLN Tarakan

Table 32 : Balance Sheet (million Rp)

2023

| Description                                  | Description   | December 2023        |
|--|---|----------------------|
| <b>FIXED ASSETS</b>                          | <b>EQUITY</b>                                       | 1,015,631,399        |
| - Total Fixed Assets                         |   | 1,423,711,513        |
| - Accumulation Depreciation                  |   | (106,761,876)        |
| - Impairment Losses Accumulation             |   | (3,759,262)          |
| <b>Total Fixed Assets (Net)</b>              | <b>Total Equity</b>                                 | 1,015,631,399        |
|  | <b>LONG TERM LIABILITIES</b>                        | 511,812,872          |
| P D P and ATTB                               | - Deferred Tax Liabilities                          | 58,228,739           |
| Right-of-use Assets                          | - Long Term Loan                                    | 363,181,243          |
| Other Non-Current Assets                     | - Other Long Term Liabilities                       | 27,571,852           |
| Receivables from Government                  | - Employee Benefit Liabilities                      | 62,831,038           |
| Investments in Associates and Joint Ventures |   |                      |
| Deferred Tax Assets                          |   |                      |
|  | <b>SHORT TERM LIABILITIES</b>                       | 143,195,433          |
| <b>CURRENT ASSETS</b>                        | - Trade Payables                                    | 57,147,527           |
| - Cash & Bank                                | - Short Term Loan                                   | 33,037,450           |
| - Receivables from Government                | - Other Short Term Liabilities                      | 45,128,076           |
| - Temporary Investment                       | - Employee Benefit Liabilities                      | 7,882,380            |
| - Receivable                                 |   |                      |
| - Inventories                                |   |                      |
| - Other Current Assets                       |   |                      |
| <b>Total Current Assets</b>                  | <b>Total Long Term &amp; Short Term Liabilities</b> | 655,008,305          |
| <b>TOTAL ASSETS</b>                          | <b>TOTAL EQUITY &amp; LIABILITIES</b>               | <b>1,670,639,704</b> |

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

| Description                                  | December 2023       |
|--|---------------------|
| <b>OPERATION REVENUE</b>                     |                     |
| - Electricity Sales                          | 333,191,062         |
| - Connection Fees                            | 1,288,284           |
| - Government Subsidy                         | 68,636,731          |
| - Compensation Revenue                       | 73,991,897          |
| - Others                                     | 10,276,090          |
| <b>Total Operation Revenue</b>               | <b>487,384,064</b>  |
| <b>OPERATION COST</b>                        |                     |
| - 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           |
| <b>Total Operation Cost</b>                  | <b>440,183,990</b>  |
| <b>OPERATING PROFIT</b>                      | <b>47,200,074</b>   |
| Other Income (Expenses) - Net                | 1,513,051           |
| Other Profit (Loss) - Exchange Rate          | 3,723,639           |
| Finance Income                               | 953,515             |
| Finance Expenses                             | (21,010,355)        |
| <b>PROFIT (LOSS) BEFORE TAX</b>              | <b>32,379,924</b>   |
| <b>TAX BENEFIT (EXPENSES)</b>                | <b>(10,308,466)</b> |
| <b>PROFIT (LOSS) FOR THE YEAR</b>            | <b>22,071,458</b>   |

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

| F u n g s i             | Balance<br>2023         | Impairment Losses<br>Accumulation | Book Value<br>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           |
| <b>TOTAL</b>            | <b>1,423,711,513.40</b> | <b>(106,761,875.56)</b>           | <b>1,313,190,376.09</b> |

**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           |
| <b>Outside Java</b>                       | <b>6,769,090.53</b>  | <b>248,512.45</b> | <b>138,176.03</b> | <b>541,993.76</b>   | <b>404,794.31</b> | <b>8,102,567.08</b>  |
| 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         |
| <b>J a v a</b>                            | <b>16,518,151.02</b> | <b>374,343.80</b> | <b>289,353.57</b> | <b>489,735.61</b>   | <b>296,295.57</b> | <b>17,967,879.57</b> |
| <b>Indonesia</b>                          | <b>23,287,241.55</b> | <b>622,856.25</b> | <b>427,529.61</b> | <b>1,031,729.37</b> | <b>701,089.88</b> | <b>26,070,446.65</b> |

Note: Data from AP2T Application

**Table 36 : Average Collection Rate****2023**

| PLN Operational Unit                      | Sales<br>(million Rp) | Accounts Receivable<br>(million Rp) | Average<br>(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            |
| <b>Total</b>    | <b>164,731,577.61</b>        | <b>14,738,554.28</b> | <b>25,541,432.40</b> | <b>863,522.08</b> | <b>3,692,822.94</b> | <b>209,567,909.31</b> |

\*) 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       |
| <b>Average</b>  | <b>786.76</b>                                | <b>82.06</b> | <b>142.21</b> | <b>4.81</b> | <b>20.56</b> | <b>58.79</b>     | <b>1,095.19</b> |

\*) Including lubricants

\*\*) Including Gas Engine

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

**Table 39 : Financial Ratios****2023**

| Indicator                                  | Unit  | 2023  |
|--|-------|-------|
| <b>I. Financial Indicators</b>             |       |       |
| - Cash Ratio                               | %     | 35.87 |
| - Rentability Ratio                        | %     | 1.45  |
| - Solvability Ratio                        | %     | 39.48 |
| - Liquidity Ratio                          | %     | 82.30 |
| <b>II. Financial Covenant *)</b>           |       |       |
| - CICR                                     | Times | 3.67  |
| - Financial Liabilities to Total Assets    | %     | 23.72 |
| - EBITDA Interest Coverage Ratio           | Times | 4.69  |
| <b>III. Operating Activity (Financial)</b> |       |       |
| - 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/<br>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<br>Archipelago             | -        | 13         | 105          | 162          | 76           | 154          | 86           | 32           | 109          | 69           | 23           | 10         | 13         | 1          | 1          | 1         | 5          | -          | -         | 1         | -         | -         | 861           |
| UID South Sumatera, Jambi<br>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<br>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<br>and Gorontalo | -        | -          | 235          | 157          | 117          | 182          | 118          | 25           | 85           | 49           | 20           | 9          | 9          | 4          | 4          | -         | 1          | 1          | -         | 1         | -         | -         | 1,017         |
| UID South, Southeast and<br>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<br>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           |
| <b>O u t s i d e J a v a</b>                 | <b>2</b> | <b>646</b> | <b>3,506</b> | <b>2,549</b> | <b>2,033</b> | <b>3,195</b> | <b>2,082</b> | <b>481</b>   | <b>1,448</b> | <b>1,153</b> | <b>447</b>   | <b>172</b> | <b>267</b> | <b>89</b>  | <b>44</b>  | <b>17</b> | <b>27</b>  | <b>18</b>  | <b>3</b>  | <b>5</b>  | <b>0</b>  | <b>2</b>  | <b>18,888</b> |
| 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<br>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            |
| <b>Java</b>                                  | <b>-</b> | <b>169</b> | <b>2,006</b> | <b>1,259</b> | <b>1,285</b> | <b>2,520</b> | <b>1,758</b> | <b>325</b>   | <b>1,363</b> | <b>1,068</b> | <b>408</b>   | <b>140</b> | <b>152</b> | <b>66</b>  | <b>35</b>  | <b>18</b> | <b>21</b>  | <b>18</b>  | <b>2</b>  | <b>4</b>  | <b>-</b>  | <b>-</b>  | <b>22,852</b> |
| 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<br>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         |
| <b>Indonesia</b>                             | <b>2</b> | <b>900</b> | <b>5,756</b> | <b>4,051</b> | <b>4,285</b> | <b>6,678</b> | <b>5,926</b> | <b>1,070</b> | <b>3,612</b> | <b>2,823</b> | <b>1,139</b> | <b>487</b> | <b>831</b> | <b>312</b> | <b>170</b> | <b>83</b> | <b>171</b> | <b>115</b> | <b>51</b> | <b>44</b> | <b>23</b> | <b>13</b> | <b>51,245</b> |

\*) 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           |
| <b>Outside Java</b>                       | <b>11,465</b> | <b>6,342</b>  | <b>378</b>   | <b>1</b>  | <b>18,888</b> |
| 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            |
| <b>J a v a</b>                            | <b>7,022</b>  | <b>5,182</b>  | <b>412</b>   | <b>1</b>  | <b>22,852</b> |
| 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         |
| <b>I n d o n e s i a</b>                  | <b>20,540</b> | <b>16,321</b> | <b>1,669</b> | <b>12</b> | <b>51,245</b> |

\*) Previously it was PT PLN Tarakan

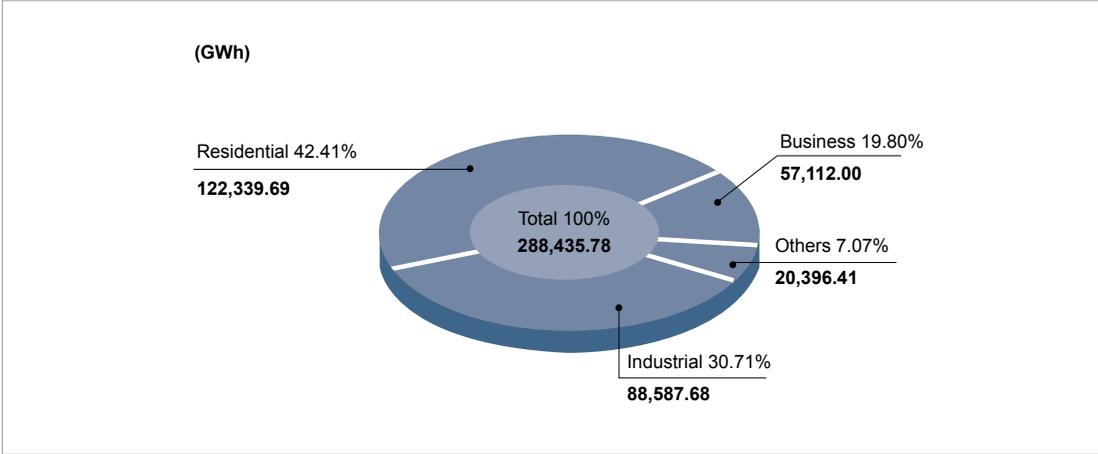
Table 42 : Productivity of Employee

2023

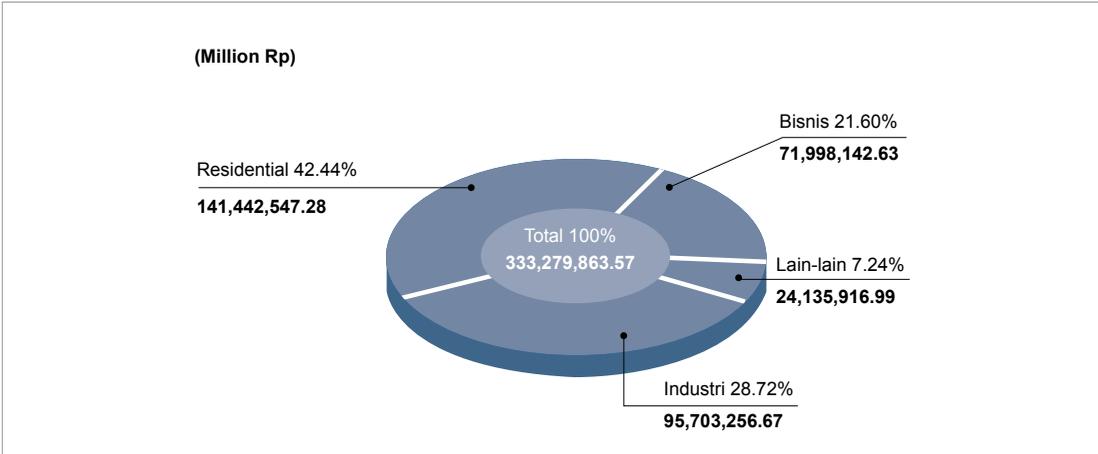
| PLN Operational Unit/Province            | Customers per Employee | kWh Sold per Employee |
|--|------------------------|-----------------------|
| UID Aceh                                 | 2,041                  | 4,092,662.72          |
| UID North Sumatera                       | 3,294                  | 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, Cental 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                         | -                      | -                     |
| <b>Outside Java</b>                      | <b>2,124</b>           | <b>5,298,314.74</b>   |
| 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                       | -                      | -                     |
| <b>Java</b>                              | <b>4,215</b>           | <b>15,567,118.97</b>  |
| Indonesia (without Subsidiaries)         | 2,304                  | 7,400,394.12          |
| PLN Head Office                          | -                      | -                     |
| PLN Supporting and Service Unit          | -                      | -                     |
| PLN Construction Unit                    | -                      | -                     |
| Other Subsidiaries                       | -                      | -                     |
| <b>Indonesia</b>                         | <b>1,740</b>           | <b>5,628,564.35</b>   |

\*) Previously it was PT PLN Tarakan

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

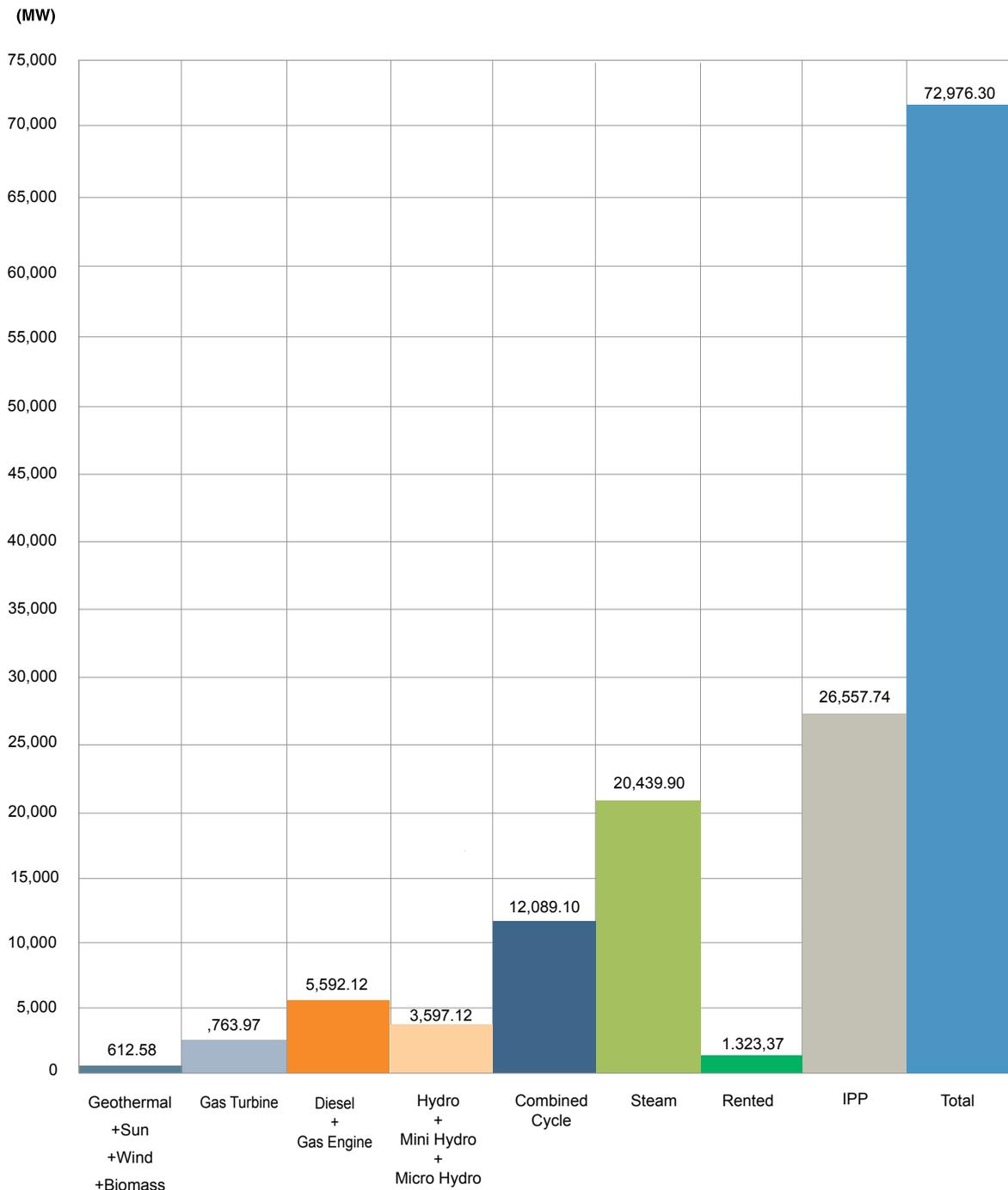


**Grafik 2. Revenue (2023)**

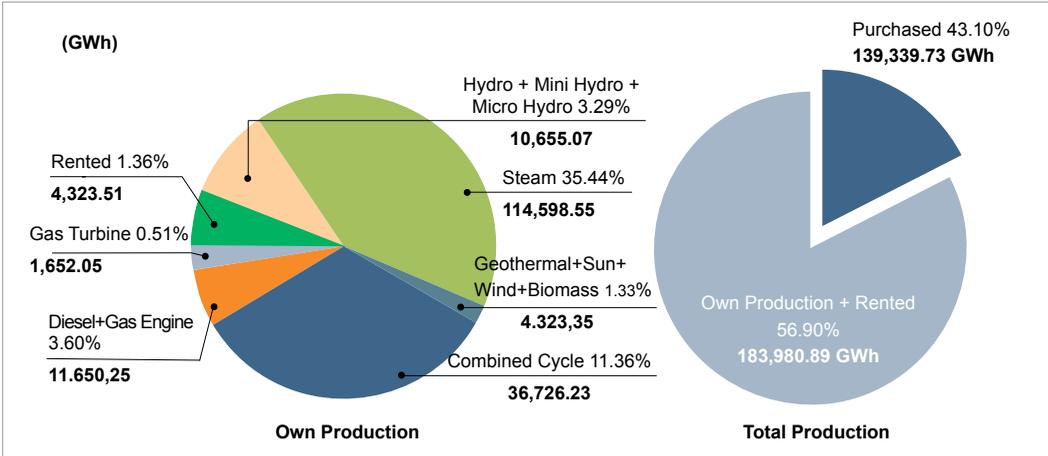


Note: Data from AP2T Application

### 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 |

## Time Series Data

**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 | Biomass | 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<br>(Rp/kg) | Natural Gas<br>(Rp/MMSCF) | Geothermal<br>(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 | 100.95     | 6,099.79 | 53,131.83 | 4,406.25 | 7,194.43 | 70,933.24 | 4.00     |

**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                 |
|---|----------------------|----------------------|----------------------|----------------------|----------------------|
| <b>FIXED ASSET</b>                                  |                      |                      |                      |                      |                      |
| - 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)            |
| <b>Total Fixed Asset (Net)</b>                      | <b>1,313,190,376</b> | <b>1,288,681,259</b> | <b>1,251,689,358</b> | <b>1,226,709,575</b> | <b>1,213,251,658</b> |
| 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            |
| <b>CURRENT ASSETS</b>                               |                      |                      |                      |                      |                      |
| - 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           |
| <b>Total Current Assets</b>                         | <b>131,383,486</b>   | <b>119,391,382</b>   | <b>85,911,375</b>    | <b>97,228,505</b>    | <b>151,366,673</b>   |
| <b>TOTAL ASSETS</b>                                 | <b>1,670,639,704</b> | <b>1,638,139,276</b> | <b>1,613,216,456</b> | <b>1,588,914,720</b> | <b>1,585,055,013</b> |
| <b>EQUITY</b>                                       |                      |                      |                      |                      |                      |
| <b>Total Equity</b>                                 | <b>1,015,631,399</b> | <b>991,450,566</b>   | <b>981,607,123</b>   | <b>939,812,592</b>   | <b>929,380,413</b>   |
| <b>LONG TERM LIABILITIES</b>                        |                      |                      |                      |                      |                      |
| - 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           |
| <b>SHORT TERM LIABILITIES</b>                       |                      |                      |                      |                      |                      |
| - 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            |
| <b>Total Long Term &amp; Short Term Liabilities</b> | <b>655,008,305</b>   | <b>646,688,710</b>   | <b>631,609,333</b>   | <b>649,102,128</b>   | <b>655,674,600</b>   |
| <b>TOTAL EQUITY &amp; LIABILITIES</b>               | <b>1,670,639,704</b> | <b>1,638,139,276</b> | <b>1,613,216,456</b> | <b>1,588,914,720</b> | <b>1,585,055,013</b> |

**Table 63 : Profit and Loss (million Rp)**

**2019 - 2023**

| Description                                  | 2023                | 2022               | 2021                | 2020               | 2019                |
|--|---------------------|--------------------|---------------------|--------------------|---------------------|
| <b>OPERATION REVENUE</b>                     |                     |                    |                     |                    |                     |
| - 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           |
| <b>Total Operation Revenue</b>               | <b>487,384,064</b>  | <b>441,131,943</b> | <b>366,972,007</b>  | <b>345,415,637</b> | <b>359,605,880</b>  |
| <b>OPERATION COST</b>                        |                     |                    |                     |                    |                     |
| - 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           |
| <b>Total Operation Cost</b>                  | <b>440,183,990</b>  | <b>386,193,802</b> | <b>323,119,125</b>  | <b>301,008,165</b> | <b>315,440,938</b>  |
| <b>OPERATING PROFIT</b>                      | <b>47,200,074</b>   | <b>54,938,141</b>  | <b>43,852,882</b>   | <b>44,407,472</b>  | <b>44,164,942</b>   |
| 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)        |
| <b>PROFIT (LOSS) BEFORE TAX</b>              | <b>32,379,924</b>   | <b>21,541,672</b>  | <b>23,221,084</b>   | <b>12,291,919</b>  | <b>26,119,210</b>   |
| <b>TAX BENEFIT (EXPENSES)</b>                | <b>(10,308,466)</b> | <b>(7,126,952)</b> | <b>(10,046,207)</b> | <b>(6,298,491)</b> | <b>(21,797,080)</b> |
| <b>PROFIT (LOSS) FOR THE YEAR</b>            | <b>22,071,458</b>   | <b>14,414,720</b>  | <b>13,174,877</b>   | <b>5,993,428</b>   | <b>4,322,130</b>    |

**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 |

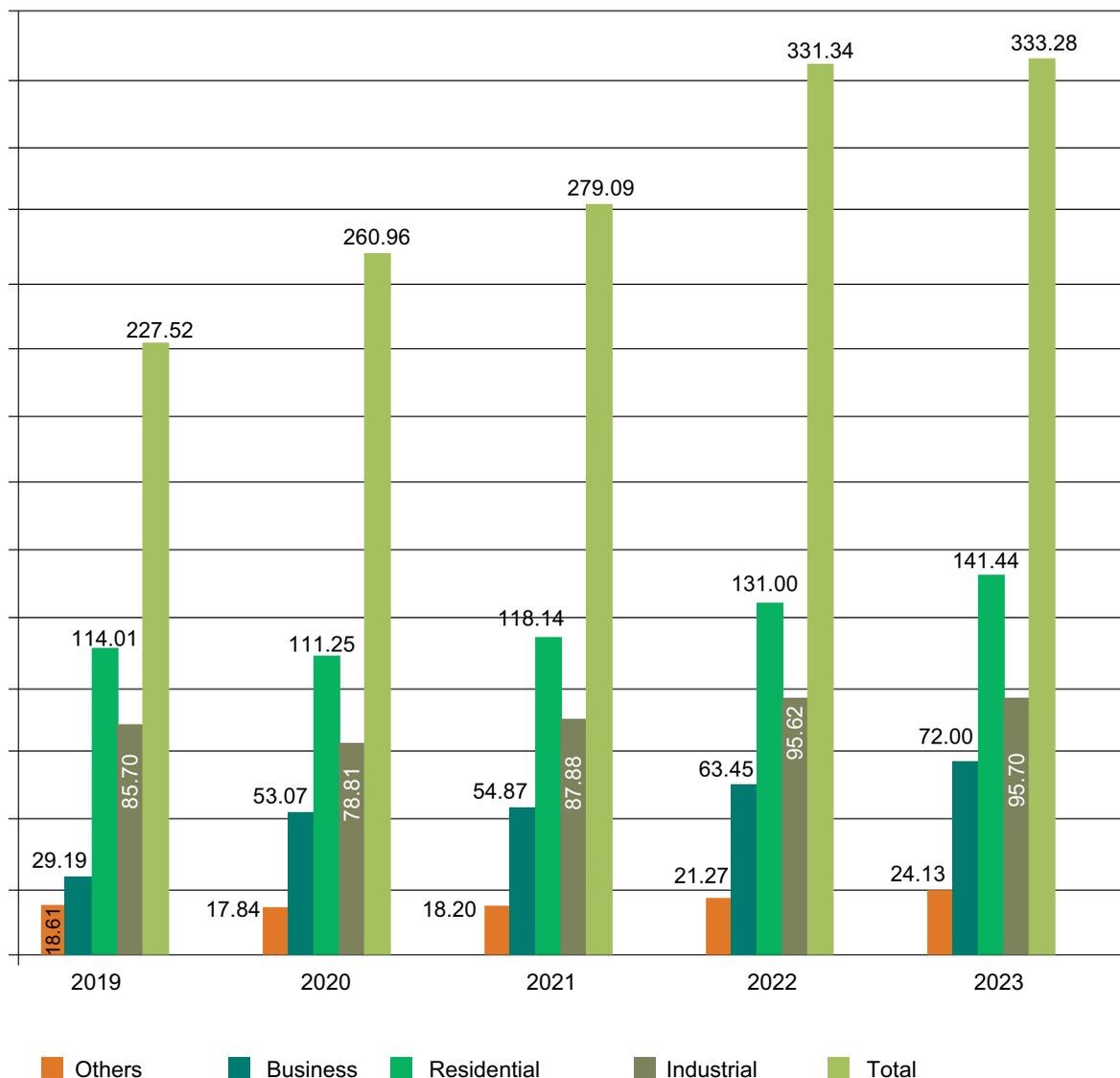
**Table 69 : Financial Ratios****2019 - 2023**

| Indicator                                  | Unit  | 2023  | 2022  | 2021  | 2020  | 2019  |
|--|-------|-------|-------|-------|-------|-------|
| <b>I. Financial Indicator</b>              |       |       |       |       |       |       |
| - 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 |
| <b>II. Financial Covenant</b>              |       |       |       |       |       |       |
| - 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  |
| <b>III. Operating Activity (Financial)</b> |       |       |       |       |       |       |
| - 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)

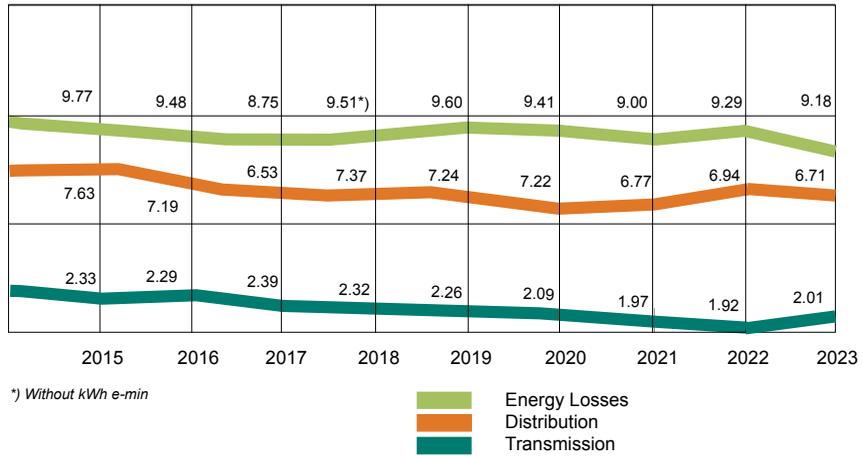
(Trillion Rp)



Note: Data from AP2T Application

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

(%)







# 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<br>FYDP VI<br>(1998) | 2003*             | 2008              | 2013              | 2018              | Year<br>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         |
| <b>Total</b>     | <b>26,433,489</b>           | <b>32,151,416</b> | <b>38,844,086</b> | <b>53,996,208</b> | <b>71,917,397</b> | <b>89,153,278</b> |

\*) 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        |
| <b>Total</b>     | <b>10.93</b> | <b>3.99</b>  | <b>3.86</b> | <b>6.83</b> | <b>5.90</b> | <b>4.39</b> |

\*) to the end of year 1999

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

**Table 72 : Connected Capacity (MVA)**

**2023**

| Type of Customer | End of<br>FYDP VI<br>(1998) | 2003*            | 2008             | 2013             | 2018              | Year<br>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         |
| <b>Total</b>     | <b>34,595.84</b>            | <b>45,590.06</b> | <b>60,085.53</b> | <b>93,094.85</b> | <b>130,280.55</b> | <b>171,508.42</b> |

\*) 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        |
| <b>Total</b>     | <b>9.73</b> | <b>5.68</b>  | <b>5.68</b> | <b>9.19</b> | <b>6.95</b> | <b>5.65</b> |

\*) to the end of year 1999

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

**Table 74 : Energy Sold (GWh)**

**2023**

| Type of Customer | End of<br>FYDP VI<br>(1998) | 2003*)           | 2008              | 2013              | 2018              | Year<br>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         |
| <b>Total</b>     | <b>65,261.41</b>            | <b>90,440.95</b> | <b>129,018.81</b> | <b>187,541.01</b> | <b>234,617.87</b> | <b>288,435.78</b> |

\*) 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        |
| <b>Total</b>     | <b>11.09</b> | <b>6.79</b>  | <b>7.38</b> | <b>7.79</b> | <b>4.59</b> | <b>4.25</b> |

\*) to the end of year 1999

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

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

| Function     | End of<br>FYDP VI<br>(1998) | 2003**) | 2008  | 2013 | 2018 | Year<br>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<br>FYDP VI<br>(1998) | 2003**)   | 2008      | 2013      | 2018      | Year<br>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<br>FYDP VI<br>(1998) | 2003*)     | 2008       | 2013       | 2018       | Year<br>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      |

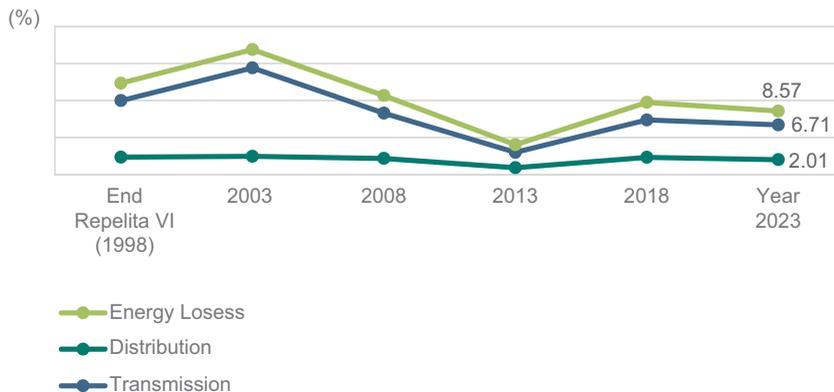
\*) To the end of year 1999

\*\*) Since 2004

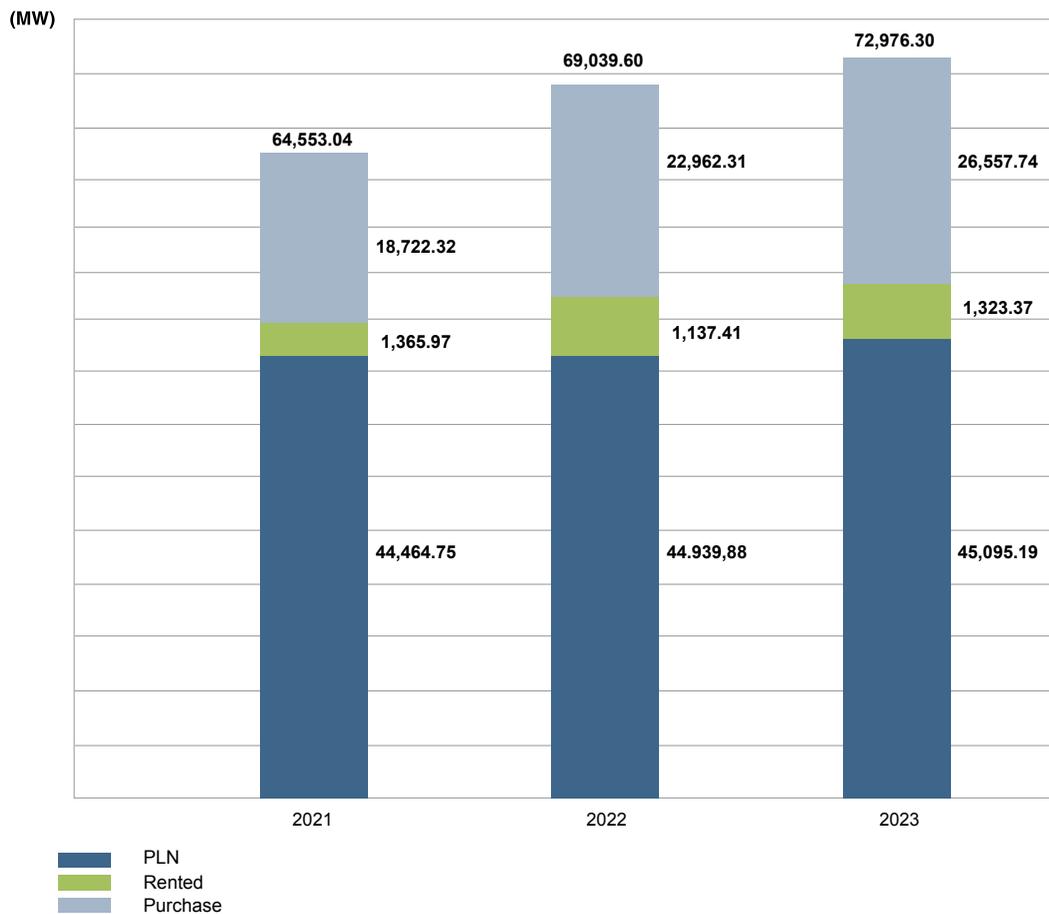
\*\*\*) Since 2007

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

### Graph 7. Energy Losses

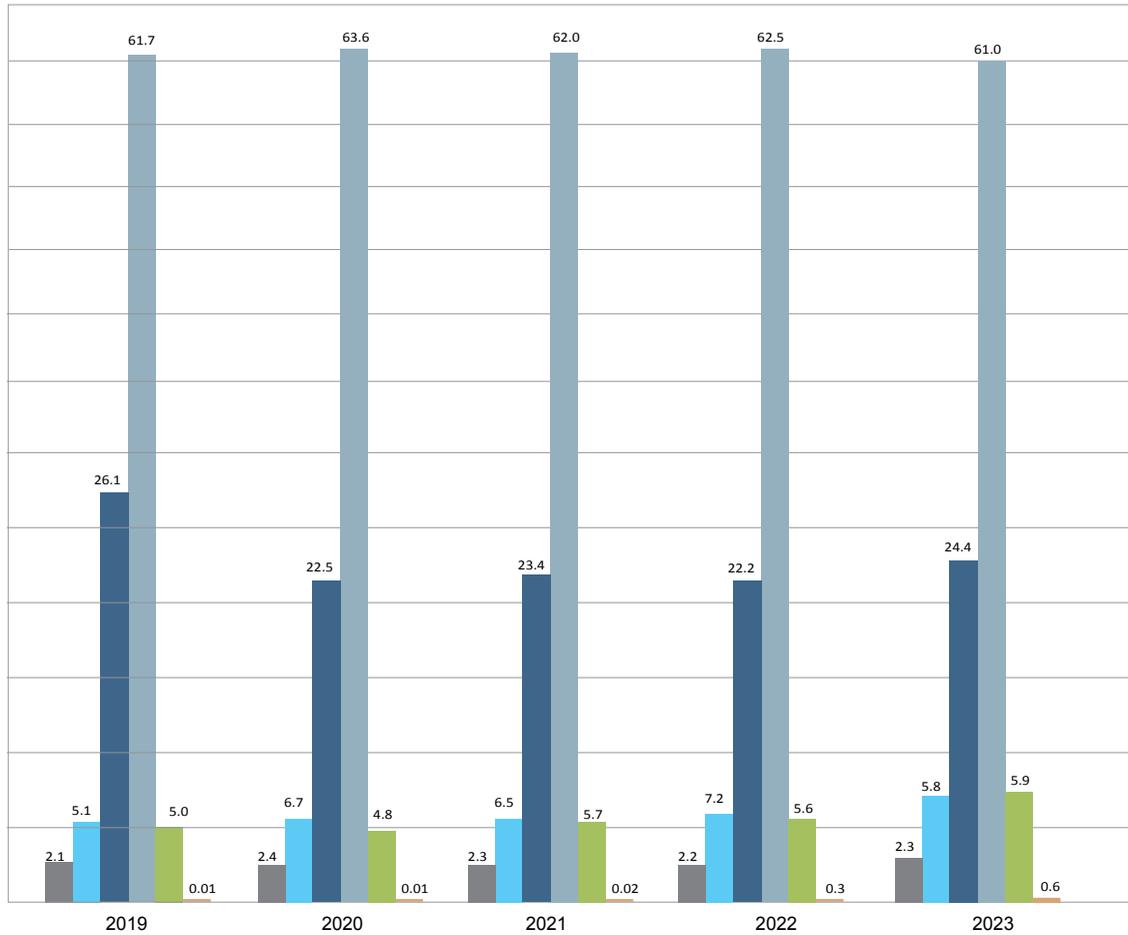


### Graph 8. Installed Capacity of National



### 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  
Tel : (62-21) 560 843, Fax : (62-21) 564 0132  
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**

Jl. Duren Tiga No. 102,  
Jakarta 12760





**PLN**

**PT PLN (Persero)**

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