

ISSN : 0852 - 8179
NO. 03102- 190615



PLN

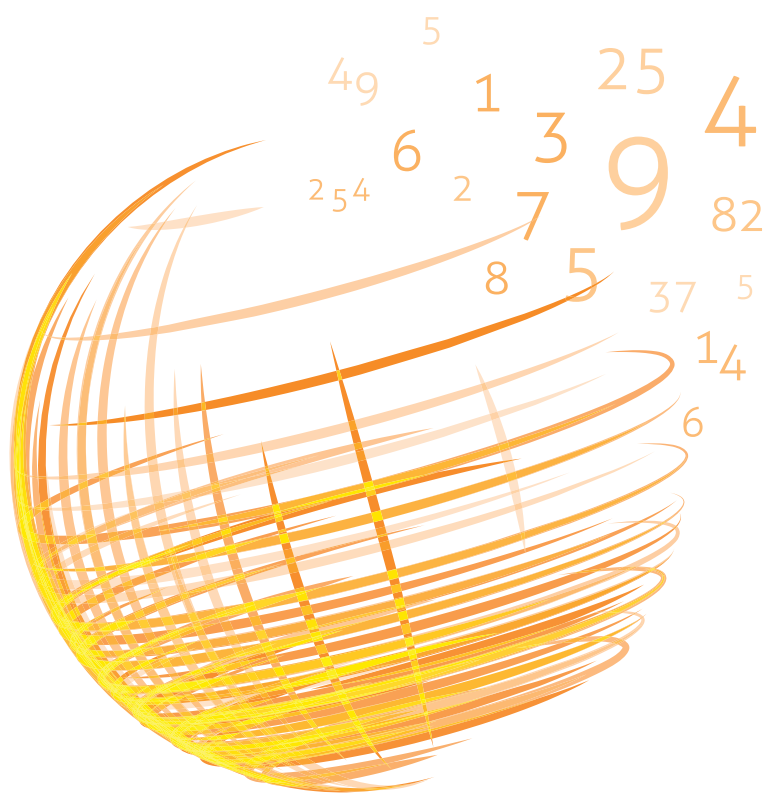


STATISTICS PLN 2018

Catalogue in Publication

PLN STATISTICS 2 0 1 8

Catalogue No. : 31:621.3
ISSN : 0852 - 8179
Publication No. : 03102- 190615
Book Size : 20 Cm x 27 Cm
Number of Page : 100
Editor : Corporate Secretary
PT PLN (Persero)
Image Source : Corporate Communication
PT PLN (Persero)
Prepared by : Corporate Secretary
PT PLN (Persero)



PLN STATISTICS 2018

Preface

PLN Statistics 2018 contains information on performances of PT PLN (Persero) and its Subsidiary Companies for Calendar Year 2018 as well as the preceding years.

Data are presented in the form of tables with a breakdown for each Province within PLN's Regional and Distribution Offices. Graphics are included to highlight important information.

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

Jakarta, June 2019

PT PLN (Persero)

1. Generation

Installed Capacity

At the end of Desember 2018 PT PLN (Persero) and Subsidiary Companies owned and operated about 6,750 generating units with total installed capacity of 41,696.67 MW, of which 29,924.58 MW (71.77%) was installed in Java.

The total installed capacity decreased 5.16% compared to the end of December 2017.

The total generating plant capacity broken down by type of power plant as follow : Steam Turbine 20,192.00 MW (48.43%), Combine Cycle 9,812.11 MW (23.53%), Diesel 4,383.42 MW (10.51%), Hydro 3,582.98 MW (8.59%), Gas Turbine 3,133.61 MW (7.52%), Geothermal 579.50 MW (1.39%), Solar Cell and Wind 12.54 MW (0.03%).

Total installed capacity included rental and IPP were 57,822.47 MW.

Peak Load*)

The system peak load for the calendar year 2018 was 38,769.93 MW, decreased 0.07% over the previous year. The peak load for the Java Bali system was 27,069 MW. This is down 5.47% over the previous year.

Energy Production and Purchase

The own energy production throughout the year 2018 was 178,193.86 GWh, up 6.08% over the previous year. Of the energy production, 61.71% was produced by PT PLN (Persero) Holding, and 38.29% came from Subsidiary Companies, i.e. PT Indonesia Power, PT PJB, PT PLN Batam. .

Of this energy production 51,534.25 GWh (27.31%) was produced by natural gas, 110,124.32 GWh (58.36%) was produced by coal fired, 11,704.96 GWh (6.20%) was produced by oil, 10,728.68 GWh (5.69%) was produced by hydro, 4,012.81 GWh (2.13%) came from geothermal and 593.44 GWh (0.31%) was produced by others (solar cell, wind). The share of natural gas, oil and hydro decreased over the previous year, but coal and geothermal was increased

The total production (including purchase from utilities outside PLN) during the CY 2018 was 267,085.38 GWh, an increased of 12,425.60 GWh or 4,88% over the previous year. Of this energy production, the energy purchased from other utilities outside PLN amounted 78,386.92 GWh (29.35%). This was increased 5,152.22 GWh or 7,04% over the previous year. From the total energy purchased, the greater part were 10,237 GWh (13.06%) from PT Paiton Energy Company, and 8,748 GWh (11.16%) from. PT Jawa Power.

2. Transmission and Distribution

At the end of CY 2018, the total transmission lines was 53,278 kmc of which about 5,218.38 kmc was 500 kV, 3,312.47 kmc was 275 kV, 39,304.50 kmc was 150 kV, 5,341.98 kmc was 70 kV and 100.95 kmc was 25 and 30 kV transmission levels. The total length of distribution lines amounted of 953,459.51 kmc of which about 388,953.99 kmc was medium voltage lines (20 kV, 12 kV, 6-7 kV distribution networks) and 564,505.52 kmc was low voltage lines (220/380 V).

The total capacity of substation transformers operated was 131,164 MVA, increased by 15.27% over the previous year. The total substation transformers was 1,964 unit. This consisted of 69 substation transformers with 500 kV system, 33 substation transformers with 275 kV system, 1,604 substation transformers with 150 kV system, 256 substation transformers with 70 kV system and 2 substation transformers with < 30 kV system.

Total capacity of distribution substation transformers decreased by 6.60% to be 56.131MVA and the total substation transformers increased by 2.28% to be 482,514 units.

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

3. Energy Sales

PLN's total energy during the year 2018 was 234,617.88 GWh, up 5.15% from the previous year. Among group of customers, energy sold to Residential was the major share, consuming 97,832.28 GWh (41.70%) followed by Industry 76,946.50 GWh (32.80%), Commercial 44,027.40 GWh (18.77%), and Others (social, government office building, and public street lighting) 15,811.70 GWh (6.74%).

Electricity sold to Residential, Industry, Commercial, and Others group of customers increased by 3.57%, 6.52%, 5.59%, and 7.25%.

Total number of customers was 71,917,397 at the end of 2018. This was up 5.65% from the end of 2017.

PLN's average power rate per kWh throughout the CY 2018 was 1,123 Rp/kWh, was increased compared previous year of 1,105.11 Rp/kWh.

4. Energy Losses

During the CY 2018, energy losses were 9.51%, consisting of 2.32% transmission losses and 7.37% distribution losses. This was better than the previous year 8.75%***).

5. Electrification Ratio

With the growth of total number of residential customers from 62,543,434** at the end of CY 2017 to 66,071,133 at the end of 2018, the electrification ratio reached around 97.05%.

6. Financial

In CY 2018, total operation revenues reached Rp. 272,897,742 million out of which electric revenues came to Rp. 263,477,551 (96.55%), connection fees Rp. 7,309,172 million (2.68%) dan other operation revenues Rp. 2,111,019 million (0.77%).

Total operation cost amounted Rp. 308,188,889 million. Government subsidy Rp. 48,101,754 million while the operation profit came to Rp. 23,173,464 million decreased over the previous year that operation profit amounted Rp. 35,984,071 million.

The total asset amounted to approximately Rp. 1,490,353,635 million, increased 11.64% from the previous year.

7. Human Resources

By the end of December 2018, the total number of PLN employees was 54,255 employee. Employees productivity was 4,324 MWh/employee and 1,326 customer/employee.

****) Excluded non PLN Customers*

****) Energy losses with kWh E-Min*

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 kms 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.

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 2017 means one calendar year as from 1 January 2017 to 31 December 2017.

5. Abbreviations

Hydro	: Hydro Power Plant	MMSCF	: 10 ⁶ Standard Cubic Foot (MM=10 ⁶)
Steam	: Steam Power Plant	MMBTU	: 10 ⁶ British Thermal Unit (MM=10 ⁶)
Gas Turbine	: Gas Turbine Power Plant	HSD	: High Speed Diesel Oil
Combined Cycle	: Combined Cycle Power Plant	IDO	: Intermediate Diesel Oil
Diesel	: Diesel Power Plant	MFO	: Marine Fuel Oil
Geothermal	: Geothermal Power Plant	SAIDI	: System Average Interruption Duration Index
Gas Machine	: Gas Machine Power Plant	SAIFI	: System Average Interruption Frequency Index
Solar	: Solar Power Plant	Dist.	: Distribution
Wind	: Wind Power Plan	G & T	: Generation & Transmission
VA	: volt-ampere	Gov. Office Building	: Government Office Building
MVA	: mega-volt-ampere	Publ. Street	: Public Street Lighting
kW	: kilowatt	PJB	: Java Bali Generation Company
MW	: megawatt	P3B	: Transmission and Control Centre
kWh	: kilowatt-hour	SOD	: System Outage Duration
MWh	: megawatt-hour	SOF	: System Outage Frequency
GWh	: gigawatt-hour	n.a	: not available
kmc	: kilometer of circuit		
MSCF	: 10 ³ Standard Cubic Foot (M=10 ³)		

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 degree 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 2018

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 Selling Price of Electricity by Type of Customers (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 : Waiting List	16
Table 16 : SAIDI and SAIFI	17
Table 17 : SOD and SOF	18
Table 18 : Number of Distribution Interruption per 100 kmc	19
Table 19 : Electrification Ratio and Energy Consumption per Capita	20

Generation

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

Transmission and Distribution

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

II. FINANCIAL

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

III. HUMAN RESOURCES

Table 40	: Number of Employees by Grade	40
Table 41	: Number of Employees by Education	41
Table 42	: Productivity of Employee	42
Graph 1	: Energy Sold by Type of Customers 2018 (GWh)	43
Graph 2	: Revenue 2018 (million Rp)	43
Graph 3	: Installed Capacity 2018 (MW)	44
Graph 4	: Energy Production 2018 (GWh)	44

Data Over Nine Years (2010 - 2018)

I. OPERATION

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

Table 57	: Energy Production	56
Table 58	: Consumption of Fuel	56
Table 59	: Unit Price of Fuel	57
Table 60	: Length of Transmission Lines (kmc)	57
Table 61	: Length of Medium and Low Voltage Lines (kmc)	58

II. FINANCIAL

Table 62	: Balance Sheet (million Rp)	59
Table 63	: Profit and Loss (million Rp)	60
Table 64	: Fixed Asset and Depreciation (million Rp)	60
Table 65	: Accounts Receivable (million Rp)	61
Table 66	: Sales, Accounts Receivable and Average Collection Rate	61
Table 67	: Generation Cost (million Rp)	62
Table 68	: Average Generation Cost (Rp/kWh)	62
Table 69	: Financial Ratios	63
Graph 5	: Revenues (billion Rp)	64
Graph 6	: Energy Losses (%)	65
Graph 7	: Installed Capacity (MW)	65
Graph 8	: Energy Production (GWh)	66

End of Five Year Development Plan Data

Table 70	: Number of Customers	69
Table 71	: Average Growth Rate of Number of Customers per Year (%)	69
Table 72	: Connected Capacity (MVA)	69
Table 73	: Average Growth Rate of Connected Capacity per Year (%)	70
Table 74	: Energy Sold (GWh)	70
Table 75	: Average Growth Rate of Energy Sold per Year (%)	70
Table 76	: Energy Losses (%)	71
Table 77	: Installed Capacity (MW)	71
Table 78	: Average Growth Rate of Installed Capacity per Year (%)	71
Table 79	: Energy Production (GWh)	72
Table 80	: Average Growth Rate of Energy Production per Year (%)	72
Graph 9	: Energy Losses (%)	73
Graph 10	: Installed Capacity (MW)	73
Graph 11	: Installed Capacity of National (MW)	74
Graph 12	: Energy Production (GWh)	75
Graph 13	: Energy Mix in 2014 - 2018	76
Graph 14	: Electrification Ratio (%)	77
Graph 15	: Basic Cost of Electricity Production and Average Selling Price (Rp/kWh)	77

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





Annual Data
2018

Table 1 : Power Balance (MW)

2018

PLN Operational Unit/Province	Installed Capacity*)	Rated Capacity	Peak Load
Region of Aceh	201.93	163.53	81.00
Region of North Sumatera	171.98	161.96	43.3
Region of West Sumatera	63.74	40.59	4.31
Region of Riau	529.81	418.90	331.64
- Riau	314.79	265.49	-
- Riau Archipelago	215.01	153.41	-
Region of South Sumatera, Jambi & Bengkulu	313.17	271.16	49.95
- South Sumatera	170.55	154.10	-
- Jambi	66.57	60.12	-
- Bengkulu	76.06	56.94	-
Region of Bangka Belitung	354.20	294.43	196.59
Distribution of Lampung	41.39	37.83	6.44
Region of West Kalimantan	200.99	164.65	145.99
Region of S & C Kalimantan	253.85	188.51	65.78
- South Kalimantan	59.64	44.76	-
- Central Kalimantan	194.20	143.75	-
Region of East Kalimantan & North	349.17	252.99	213.88
Region of N, C Sulawesi & Gorontalo	339.46	213.55	139.14
- North Sulawesi	75.28	50.04	-
- Gorontalo	36.40	20.22	-
- Central Sulawesi	227.77	143.29	-
Region of S, SE & W Sulawesi	139.80	115.91	41.68
- South Sulawesi	63.30	57.90	-
- Southeast Sulawesi	68.73	51.75	-
- West Sulawesi	7.77	6.26	-
Region of Maluku & North Maluku	445.18	270.87	240.95
- Maluku	357.06	223.13	-
- North Maluku	88.11	47.74	-
Region of Papua	488.63	369.54	337.99
- Papua	377.93	301.04	-
- West Papua	110.70	68.50	-
Distribution of Bali	8.65	4.94	7.81
Region of West Nusa Tenggara	463.87	402.63	335.63
Region of East Nusa Tenggara	430.75	298.37	250.91
PT PLN Batam	673.29	564.01	327.65
Generation of Northern Part of Sumatera	3,780.28	2,593.94	-
Generation of Southern Part of Sumatera	3,006.52	2,605.58	-
Sumatera Trans. and Control Center	2,298.00	2,236.01	5,660.8
Generation & Transmission of Kalimantan	2,360.84	2,030.16	1,459.3
Generation & Transmission of Sulawesi	2,908.39	2,586.55	1,731.61
Outside Java	19,823.87	16,286.63	11,672.35
Dist. East Java	67.28	54.66	15.33
Dist. of Central Java & Yogyakarta	16.08	13.58	0.78
- Central Java	15.30	13.03	-
- D.I. Yogyakarta	0.78	0.55	-
Dist. of West Java	96.34	96.34	-
Dist. of Banten	14.74	14.69	11.77
Dist. of Jakarta Raya	-	-	-
PT Indonesia Power	8,951.75	8,021.22	-
PT Java Bali Genco	7,021.64	6,377.58	-
PJB Sulawesi	68.04	62.20	-
Distribution and Load Control Center (P2B)	7,589.60	7,530.56	27,069.7
Generation of Tanjung Jati B	2,840.00	2,643.80	-
Generation of Western Part of Java	5,004.14	4,647.80	-
Generation of Central Part of Java	3,572.00	3,228.00	-
Generation of Eastern Part of Java, Bali & Nusra	2,480.00	2,287.00	-
Java	37,721.60	34,977.43	27,097.58
UIP East of Java and Bali II	150.00	-	-
UIP West of Kalimantan	82.00	71.60	-
UIP East of Kalimantan	7.00	7.00	-
UIP Generation of Sumatera	14.00	-	-
UIW Papua and West of Papua	24.00	-	-
Generation Project	277.00	78.60	-
Indonesia	57,822.47	51,342.66	38,769.93

*) PLN's Power Plant, Rented and IPP

Table 2 : Energy Balance

PLN Operational Unit/Province	Purchased from Outside PLN	Received from Other Unit (GWh)	Own Production* (GWh)	Own Use Central		Netto Production (GWh)	Own Use Substation Transformer	
				(GWh)	(%)		(GWh)	(%)
Region of Aceh	117.05	2,328.60	173.10	4.01	0.97	2,853.44	-	-
Region of North Sumatera	727.95	11,564.52	10.02	0.14	0.10	12,441.94	-	-
Region of West Sumatera	97.48	3,634.27	17.07	0.61	3.59	3,748.21	-	-
Region of Riau	164.00	4,281.83	459.03	18.98	1.47	5,717.97	0.57	0.01
Region South Sumatera, Jambi & Bengkulu	929.65	8,085.56	13.21	-	-	9,135.95	-	-
Region of Bangka Belitung	227.16	-	696.41	67.03	6.96	1,123.17	0.98	0.09
Distribution of Lampung	111.37	5,006.70	0.30	-	0.25	5,118.37	-	-
Region of West Kalimantan	402.00	1,587.71	235.85	17.12	2.27	2,725.47	0.41	0.02
Generation & Transmission of Kalimantan	3,049.35	33.01	3,408.80	306.94	7.85	6,684.46	4.81	0.07
Region of S & C Kalimantan	359.36	2,658.53	971.52	72.73	5.63	4,236.32	0.66	0.02
Region of East Kalimantan & North	682.44	2,297.20	548.48	36.40	3.87	3,883.36	0.50	0.01
Region of N, C Sulawesi & Gorontalo	610.29	2,250.29	415.62	22.98	2.74	3,676.44	0.33	0.01
Region of S, SE & W Sulawesi	1,098.71	5,194.59	824.93	54.74	5.27	7,277.25	0.51	0.01
Generation & Transmission of Sulawesi	4,395.68	8.78	2,906.31	225.95	6.61	7,597.33	4.91	0.06
Region of Maluku & North Maluku	362.23	-	438.97	32.05	4.04	1,124.45	0.15	0.01
Region of Papua & West Papua	496.28	-	552.18	23.09	1.88	1,704.70	0.28	0.02
Distribution of Bali	11.73	5,555.83	0.34	0.04	12.23	5,567.86	-	-
Region of West Nusa Tenggara	521.79	-	617.85	81.25	5.52	1,911.35	1.18	0.06
Region of East Nusa Tenggara	412.75	-	282.83	39.98	6.33	1,004.13	0.67	0.07
PT PLN Batam	2,175.15	-	510.10	12.61	2.35	2,699.43	1.34	0.05
Generation of Northern Part of Sumatera	-	111.46	9,756.07	570.17	4.78	11,467.86	-	-
Generation of Southern Part of Sumatera	-	82.57	9,498.78	686.58	6.24	10,405.14	-	-
Sumatera Trans. & Control Center	12,339.04	23,385.73	-	-	-	35,724.77	20.17	0.06
Outside Java	29,291.45	78,067.92	32,356.17	2,274.52	5.32	69,779.47	37.47	0.05
Dist. of East Java	14.93	37,752.10	67.50	0.02	0.02	37,863.94	-	-
Dist. of Central Java & Yogyakarta	48.84	28,017.16	-	-	-	28,065.99	-	-
Dist. of West Java	255.51	52,589.85	-	-	-	52,845.36	-	-
Dist. of Jakarta Raya	-	36,248.18	-	-	-	36,248.18	-	-
PT PJB Sulawesi	-	0.73	18.40	1.10	5.98	18.03	-	-
Dist. Banten	47.16	25,635.10	0.69	-	-	25,682.95	-	-
PT Indonesia Power	-	213.05	41,873.74	1,860.01	4.43	40,295.57	-	-
PT Java Bali Genco	-	139.64	25,828.93	1,094.51	4.24	24,874.06	-	-
Distribution and Load Control Center (P2B)	48,731.18	138,903.79	-	-	-	187,634.97	85.94	0.05
Generation of Tanjung Jati B	-	15.94	20,824.21	1,311.18	6.30	19,528.97	-	-
Generation of Western Part of Java	-	66.16	24,597.65	1,126.92	4.58	23,536.89	-	-
Generation of Central Part of Java	-	97.09	21,697.63	1,309.84	6.04	20,484.89	-	-
Generation of Eastern Part of Java & Bali	-	68.98	10,947.34	639.42	5.84	10,376.9	-	-
Java	49,097.60	319,747.05	145,837.69	7,341.90	5.03	187,691.62	85.94	0.05
Indonesia	78,389.06	-	178,193.86	9,616.42	5.10	257,471.10	123.41	0.05

*) Include Rented Power Plant

**) Include Other Unit PLN

Transmission Losses		Send Other Unit**)	Send to Distribution (GWh)	Own Use				Energy Losses		Energy Losses & Own Use		Energy Consumption	
(GWh)	(%)			Distr. Substation	Distr. Losses	(GWh)	(%)	(GWh)	(%)	(GWh)	(%)	(GWh)	(%)
-	-	0.88	2,852.56	23.25	-	268.50	9.41	268.50	9.41	291.74	10.22	2,560.82	-
-	-	841.78	11,600.16	72.31	-	1,238.29	9.95	1,238.29	9.95	1,310.60	10.53	10,289.57	-
-	-	5.91	3,742.30	1.98	-	274.08	7.31	274.08	7.31	276.06	7.36	3,466.24	-
5.14	0.09	42.46	5,669.79	5.14	-	541.24	9.48	546.38	9.56	551.52	9.65	5,123.41	-
-	-	654.49	8,481.46	8.22	-	996.08	10.90	996.08	10.90	1,004.30	10.99	7,477.15	-
7.25	0.65	-	1,114.93	-	-	58.60	5.26	65.86	5.86	65.86	5.86	1,056.33	-
-	-	150.07	4,968.30	76.72	-	692.73	13.53	692.73	13.53	769.45	15.03	4,198.85	-
15.80	0.58	8.33	2,700.93	19.91	-	339.55	12.53	355.35	13.04	375.26	13.77	2,341.47	-
153.78	2.30	6,525.87	-	-	-	-	-	153.78	2.30	153.78	2.30	-	-
19.11	0.45	42.26	4,174.29	-	-	392.01	9.30	411.12	9.70	411.12	9.70	3,782.28	-
4.57	0.12	-	3,878.29	0.94	-	280.22	7.23	284.79	7.33	285.73	7.36	3,597.13	-
18.10	0.49	2.02	3,655.98	2.19	-	415.59	11.36	433.70	11.80	435.89	11.86	3,238.19	-
27.17	0.37	8.49	7,241.08	-	-	624.19	8.61	651.36	8.95	651.36	8.95	6,616.89	-
150.10	1.98	7,429.73	12.60	-	-	12.60	0.17	162.70	2.14	162.70	2.14	-	-
7.42	0.66	-	1,116.88	8.11	-	122.66	10.98	130.07	11.57	138.18	12.29	986.12	-
3.43	0.20	-	1,700.99	40.17	-	194.90	11.46	198.32	11.63	238.49	13.99	1,465.92	-
-	-	0.03	5,567.83	5.70	-	323.60	5.81	323.60	5.81	329.30	5.91	5,238.53	-
14.21	0.74	-	1,895.96	0.80	-	142.21	7.50	156.42	8.18	157.22	8.23	1,752.95	-
10.56	1.05	-	992.90	0.10	-	73.22	7.37	83.78	8.34	83.88	8.35	919.58	-
5.04	0.19	387.05	2,306.00	1.91	-	119.26	4.43	124.30	4.60	126.21	4.68	2,184.84	-
-	-	11,467.86	-	-	-	-	-	-	-	-	-	-	-
-	-	10,405.14	-	-	-	-	-	-	-	-	-	-	-
1,101.81	3.08	34,602.80	-	-	-	-	-	1,101.81	3.08	1,101.81	3.08	-	-
1,543.49	2.21	72,593.19	73,673.25	267.45	-	7,109.52	9.65	8,653.01	12.40	8,920.46	12.78	66,296.28	-
-	-	0.01	37,863.92	-	-	2,436.54	6.43	2,436.54	6.43	2,436.54	6.43	35,427.38	-
-	-	0.48	28,065.51	10.14	-	1,918.72	6.84	1,918.72	6.84	1,928.86	6.87	26,136.65	-
-	-	439.47	52,405.89	124.77	-	3,366.46	6.37	3,366.46	6.37	3,491.23	6.61	48,914.66	-
-	-	1,359.90	34,888.28	123.24	-	2,422.12	6.68	2,422.12	6.68	2,545.37	7.02	32,342.91	-
-	-	18.03	-	-	-	-	-	-	-	-	-	-	-
-	-	1,371.29	24,311.66	87.32	-	1,256.99	4.89	1,256.99	4.89	1,344.31	5.23	22,967.35	-
-	-	40,295.57	-	-	-	-	-	-	-	-	-	-	-
-	-	24,874.06	-	-	-	-	-	-	-	-	-	-	-
4,426.49	2.36	183,122.54	-	-	-	-	-	4,426.49	2.36	4,426.49	2.36	-	-
-	-	19,528.97	-	-	-	-	-	-	-	-	-	-	-
-	-	23,536.89	-	-	-	-	-	-	-	-	-	-	-
-	-	20,484.89	-	-	-	-	-	-	-	-	-	-	-
-	-	10,376.90	-	-	-	-	-	-	-	-	-	-	-
4,426.49	2.36	325,390.98	177,535.26	345.48	-	11,400.83	6.42	15,827.32	8.43	16,172.80	8.62	165,788.95	-
5,969.98	2.32	169.20	251,208.51	612.92	-	18,510.36	7.37	24,480.34	9.51	25,093.26	9.75	232,085.23	-

Table 3 : Load Factor, Capacity Factor and Demand Factor**2018**

PLN Operational Unit/ Province	Load Factor (%)	Capacity Factor (%)	Demand Factor (%)
Region of Aceh	74.53	29.90	6.41
Region of North Sumatera	-	58.25	0.95
Region of West Sumatera	-	20.52	0.28
Region of Riau	49.52	31.00	13.20
Region of South Sumatera, Jambi & Bengkulu	-	38.29	1.32
Region of Bangka Belitung	69.11	38.36	31.90
Distribution of Lampung	-	30.80	0.29
Region of West Kalimantan	88.41	64.22	11.93
Region of S & C Kalimantan	-	74.22	3.63
Region of East Kalimantan & North	85.39	52.31	12.76
Region of N, C Sulawesi & Gorontalo	-	48.73	8.57
Region of S, SE & W Sulawesi	-	117.40	1.17
Region of Maluku & North Maluku	54.79	29.66	41.94
Region of Papua	58.36	40.37	38.80
Distribution of Bali	17.64	15.92	0.28
Region of West Nusa Tenggara	67.77	49.04	28.38
Region of East Nusa Tenggara	47.15	27.46	34.43
PT PLN Batam	94.49	45.98	28.95
Generation of Northern Part of Sumatera	-	36.02	-
Generation of Southern Part of Sumatera	-	41.80	-
Sumatera Trans. & Control Center	24.88	61.30	-
Generation & Transmission of Kalimantan	54.05	33.41	-
Generation & Transmission of Sulawesi	51.52	30.67	-
Outside Java	70.33	41.27	34.66
Dist. of East Java	83.29	18.98	0.10
Dist. of Central Java & Yogyakarta	-	34.68	0.01
Dist. of West Java	-	30.28	-
Dist. of Banten	46.41	37.05	0.14
Dist. of Jakarta Raya	-	-	-
PT Indonesia Power	-	53.49	-
PT Java Bali Genco	-	42.02	-
Distribution and Load Control Center (P2B)	20.39	72.73	-
Generation of Western Part of Java	-	56.11	-
Generation of Central Part of Java	-	69.34	-
Generation of Eastern Part of Java & Bali	-	50.39	-
Generation of Tanjung Jati B	-	83.70	-
J a v a	82.01	59.02	38.41
Power Plant Development Unit (UIP)	-	20.49	-
I n d o n e s i a	78.64	52.73	37.20

Table 4 : Number of Customers by Type of Customers
2018

PLN Operational Unit/ Province	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total	(%)
Region of Aceh	1,250,058	3,012	117,286	43,571	10,653	1,843	1,426,423	1.98
Region of North Sumatera	3,405,433	4,307	137,632	67,238	9,889	16,348	3,640,847	5.06
Region of West Sumatera	1,259,691	475	124,879	35,485	6,477	3,457	1,430,464	1.99
Region of Riau	1,670,242	415	152,688	33,482	7,588	3,478	1,867,893	2.60
- Riau	1,448,980	325	126,619	29,054	5,652	2,817	1,613,447	2.24
- Riau Archipelago	221,262	90	26,069	4,428	1,936	661	254,446	0.35
Region of South Sumatera, Jambi & Bengkulu	3,076,843	1,259	120,736	60,649	12,337	8,670	3,280,494	4.56
- South Sumatera	2,125,692	849	72,083	41,272	7,410	6,196	2,253,502	3.13
- Jambi	458,187	276	30,796	9,064	2,244	1,572	502,139	0.70
- Bengkulu	492,964	134	17,857	10,313	2,683	902	524,853	0.73
Region of Bangka Belitung	411,675	471	25,849	7,427	2,565	1,463	449,450	0.62
Distribution of Lampung	1,977,367	825	54,482	48,152	4,206	1,956	2,086,988	2.90
Region of West Kalimantan	1,014,499	534	72,102	22,610	4,803	2,922	1,117,470	1.55
Region of S & C Kalimantan	1,607,378	847	116,283	47,404	9,959	4,223	1,786,094	2.48
- South Kalimantan	1,086,302	632	55,840	32,617	5,439	2,941	1,183,771	1.65
- Central Kalimantan	521,076	215	60,443	14,787	4,520	1,282	602,323	0.84
Region of East Kalimantan & North	1,018,253	488	62,691	19,589	5,639	2,630	1,109,290	1.54
Region of N, C Sulawesi & Gorontalo	1,455,556	777	56,014	36,877	10,059	2,260	1,561,543	2.17
- North Sulawesi	618,013	410	25,759	14,561	3,856	952	663,551	0.92
- Gorontalo	246,994	136	8,224	6,340	1,975	447	264,116	0.37
- Central Sulawesi	590,549	231	22,031	15,976	4,228	861	633,876	0.88
Region of S, SE & W Sulawesi	2,745,784	2,561	136,164	52,494	15,495	4,646	2,957,144	4.11
- South Sulawesi	2,004,207	2,105	101,532	35,890	9,240	3,611	2,156,585	3.00
- Southeast Sulawesi	505,123	329	23,969	10,716	4,551	835	545,523	0.76
- West Sulawesi	236,454	127	10,663	5,888	1,704	200	255,036	0.35
Region of Maluku & North Maluku	534,187	116	29,195	13,350	4,923	744	582,515	0.81
- Maluku	313,023	75	18,464	7,533	2,627	276	341,998	0.48
- North Maluku	221,164	41	10,731	5,817	2,296	468	240,517	0.33
Region of Papua	550,097	102	53,566	14,682	6,462	1,409	626,318	0.87
- Papua	328,157	67	31,971	8,650	3,403	654	372,902	0.52
- West Papua	221,940	35	21,595	6,032	3,059	755	253,416	0.35
Distribution of Bali	1,144,679	1,177	200,869	36,412	4,168	5,634	1,392,939	1.94
Region of West Nusa Tenggara	1,284,314	399	37,890	24,657	4,181	2,614	1,354,055	1.88
Region of East Nusa Tenggara	658,439	207	32,479	15,735	6,207	629	713,696	0.99
PT PLN Batam	273,485	356	41,445	3,308	405	1,088	320,087	0.45
O u t s i d e J a v a	25,337,980	18,328	1,572,250	583,122	126,016	66,014	27,703,710	38.52
Dist. of East Java	10,384,442	31,593	676,076	310,536	20,572	46,751	11,469,970	15.95
Dist. of Central Java & Yogyakarta	10,373,031	10,491	468,044	285,023	25,317	48,296	11,210,202	15.59
- Central Java	9,276,486	9,776	407,713	255,514	22,104	39,795	10,011,388	13.92
- D.I. Yogyakarta	1,096,545	715	60,331	29,509	3,213	8,501	1,198,814	1.67
Dist. of West Java	13,041,471	15,142	568,019	282,150	16,615	72,537	13,995,934	19.46
Dist. of Banten	2,893,899	6,497	174,310	57,335	3,754	6,720	3,142,515	4.37
Dist. of Jakarta Raya	4,040,310	6,134	291,967	41,831	5,839	8,985	4,395,066	6.11
Java	40,733,153	69,857	2,178,416	976,875	72,097	183,289	44,213,687	61.48
Indonesia	66,071,133	88,185	3,750,666	1,559,997	198,113	249,303	71,917,397	100
(%)	91.87	0.12	5.22	2.17	0.28	0.35	100.00	-

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

2018

PLN Operational Unit/ Province	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total	(%)
Region of Aceh	967.98	88.21	305.67	113.66	73.76	30.73	1,580.01	1.21
Region of North Sumatera	3,088.30	1,169.86	996.97	249.06	90.36	96.02	5,690.56	4.37
Region of West Sumatera	1,123.06	252.67	350.90	99.87	54.94	19.54	1,900.98	1.46
Region of Riau	1,918.52	193.76	748.12	146.25	95.82	38.92	3,141.40	2.41
- Riau	1,485.48	139.25	555.21	105.68	67.74	37.37	2,622.06	2.01
- Riau Archipelago	291.39	21.35	151.12	24.01	25.80	5.67	519.35	0.40
Region of South Sumatera, Jambi & Bengkulu	3,066.33	504.68	806.33	187.37	128.04	48.51	4,741.27	3.64
- South Sumatera	2,098.68	405.52	560.53	132.61	84.38	34.74	3,316.47	2.55
- Jambi	527.94	62.18	169.60	31.28	23.92	7.84	822.74	0.63
- Bengkulu	439.72	36.98	76.20	23.48	19.74	5.93	602.05	0.46
Region of Bangka Belitung	459.28	96.68	143.28	40.26	25.38	5.48	770.36	0.59
Distribution of Lampung	1,806.10	458.00	345.78	108.99	44.78	20.27	2,783.92	2.14
Region of West Kalimantan	944.54	96.35	343.19	75.55	53.23	17.31	1,530.16	1.17
Region of S & C Kalimantan	1,392.02	175.30	459.18	120.34	92.10	28.49	2,267.44	1.74
- South Kalimantan	908.65	135.82	296.12	82.31	51.89	20.49	1,495.29	1.15
- Central Kalimantan	483.37	39.48	163.06	38.03	40.22	8.00	772.16	0.59
Region of East Kalimantan & North	1,212.77	109.05	524.43	113.25	117.16	18.96	2,095.62	1.61
Region of N, C Sulawesi & Gorontalo	1,228.36	155.86	416.30	108.98	92.61	27.50	2,029.61	1.56
- North Sulawesi	545.74	112.18	257.60	52.23	32.24	10.10	1,010.08	0.78
- Gorontalo	191.55	16.15	48.82	15.97	24.59	4.03	301.12	0.23
- Central Sulawesi	491.07	27.53	109.88	40.78	35.78	13.36	718.41	0.55
Region of S, SE & W Sulawesi	2,638.73	566.14	835.47	226.36	141.33	53.23	4,461.26	3.42
- South Sulawesi	1,900.22	516.76	678.66	180.58	96.77	43.50	3,416.49	2.62
- Southeast Sulawesi	513.89	38.15	120.46	31.19	29.72	7.20	740.60	0.57
- West Sulawesi	224.63	11.24	36.35	14.59	14.84	2.54	304.17	0.23
Region of Maluku & North Maluku	480.92	9.93	139.30	36.73	46.05	5.21	718.14	0.55
- Maluku	277.03	4.72	93.72	23.47	28.26	2.35	429.55	0.33
- North Maluku	203.89	5.21	45.58	13.26	17.79	2.86	288.59	0.22
Region of Papua	657.03	11.21	270.19	63.39	80.35	6.78	1,088.96	0.84
- Papua	394.81	3.35	166.51	36.06	48.09	4.42	653.24	0.50
- West Papua	262.22	7.86	103.68	27.33	32.27	2.36	435.72	0.33
Distribution of Bali	1,633.26	100.13	1,524.12	130.84	72.29	32.07	3,492.70	2.68
Region of West Nusa Tenggara	1,061.65	69.57	243.32	56.01	32.25	15.30	1,478.10	1.13
Region of East Nusa Tenggara	627.59	24.35	160.22	54.11	40.03	4.77	911.06	0.70
PT PLN Batam	545.47	330.74	467.89	38.04	23.34	9.40	1,414.88	1.09
Outside Java	24,851.92	4,412.48	9,080.66	1,969.06	1,303.81	478.49	42,096.43	32.31
Dist. of East Java	8,697.15	6,073.68	3,324.82	881.24	290.51	217.04	19,484.45	14.96
Dist. of Central Java & Yogyakarta	8,055.53	2,999.27	2,408.01	839.85	248.23	179.81	14,730.69	11.31
- Central Java	7,023.51	2,879.52	1,973.69	678.77	195.15	157.79	12,908.43	9.91
- D.I. Yogyakarta	1,032.02	119.75	434.32	161.09	53.08	22.02	1,822.27	1.40
Dist. of West Java	11,566.06	8,235.09	3,868.20	746.52	318.79	119.93	24,854.60	19.08
Dist. of Banten	2,898.05	5,470.10	1,826.15	200.31	116.13	40.34	10,551.09	8.10
Dist. of Jakarta Raya	7,508.00	1,945.68	7,243.90	825.74	918.09	121.90	18,563.30	14.25
Java	38,724.79	24,723.81	18,671.09	3,493.67	1,891.75	679.02	88,184.12	67.69
Indonesia	63,576.71	29,136.29	27,751.75	5,462.73	3,195.56	1,157.51	130,280.55	100
(%)	48.80	22.36	21.30	4.19	2.45	0.89	100.00	-

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

2018

PLN Operational Unit/ Province	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total	(%)
Region of Aceh	1,622.28	144.78	431.30	181.91	94.91	112.52	2,587.71	1.10
Region of North Sumatera	5,091.45	2,819.74	1,599.10	387.10	129.69	417.93	10,445.02	4.45
Region of West Sumatera	1,680.40	989.05	513.65	150.58	70.93	91.57	3,496.18	1.49
Region of Riau	2,915.71	437.91	1,279.43	221.17	129.79	198.79	5,182.80	2.21
- Riau	2,495.68	403.77	1,012.82	191.12	95.77	178.05	4,377.21	1.87
- Riau Archipelago	420.03	34.13	266.62	30.05	34.02	20.74	805.59	0.34
Region of South Sumatera, Jambi & Bengkulu	4,476.76	1,147.38	1,344.84	268.65	167.37	172.16	7,577.17	3.23
- South Sumatera	3,106.16	963.34	941.56	190.72	108.49	140.43	5,450.69	2.32
- Jambi	723.38	117.97	280.51	44.87	30.98	21.30	1,219.02	0.52
- Bengkulu	647.22	66.07	122.77	33.06	27.90	10.43	907.45	0.39
Region of Bangka Belitung	644.94	148.84	192.84	40.21	31.19	8.33	1,066.35	0.45
Distribution of Lampung	2,491.88	918.53	524.60	146.42	62.15	113.57	4,257.15	1.81
Region of West Kalimantan	1,470.92	158.83	538.15	95.29	70.45	39.04	2,372.67	1.01
Region of S & C Kalimantan	2,337.65	378.47	754.06	153.35	121.93	80.73	3,826.18	1.63
- South Kalimantan	1,553.10	319.77	492.62	107.27	68.49	61.14	2,602.39	1.11
- Central Kalimantan	784.56	58.70	261.44	46.07	53.43	19.59	1,223.79	0.52
Region of East Kalimantan & North	2,053.73	274.17	939.50	161.85	152.95	55.07	3,637.27	1.55
Region of N, C Sulawesi & Gorontalo	1,847.59	339.92	685.47	147.31	127.65	129.63	3,277.58	1.40
- North Sulawesi	812.46	274.04	428.11	72.05	43.77	46.46	1,676.89	0.71
- Gorontalo	320.39	31.40	85.22	23.90	33.28	9.29	503.49	0.21
- Central Sulawesi	714.74	34.48	172.14	51.36	50.60	73.88	1,097.20	0.47
Region of S, SE & W Sulawesi	3,599.52	1,116.22	1,357.99	293.62	202.84	159.32	6,729.51	2.87
- South Sulawesi	2,761.02	1,057.30	1,125.08	246.75	148.50	133.83	5,472.48	2.33
- Southeast Sulawesi	605.59	45.76	174.56	32.50	35.60	17.72	911.74	0.39
- West Sulawesi	232.91	13.16	58.34	14.37	18.74	7.76	345.29	0.15
Region of Maluku & North Maluku	633.54	15.78	215.66	42.47	74.98	16.42	998.85	0.43
- Maluku	367.85	10.45	140.66	24.69	45.48	8.24	597.37	0.25
- North Maluku	265.69	5.33	75.00	17.78	29.50	8.18	401.48	0.17
Region of Papua	852.27	16.13	420.43	73.83	106.42	16.92	1,485.98	0.63
- Papua	520.09	6.26	267.46	46.12	67.15	9.88	916.96	0.39
- West Papua	332.18	9.87	152.96	27.70	39.27	7.04	569.02	0.24
Distribution of Bali	2,153.91	187.52	2,628.91	149.20	113.21	69.91	5,302.67	2.26
Region of West Nusa Tenggara	1,129.51	105.82	367.90	69.02	45.93	58.63	1,776.81	0.76
Region of East Nusa Tenggara	546.92	39.97	231.54	52.11	42.27	14.60	927.42	0.40
PT PLN Batam	689.44	601.90	783.63	54.98	40.29	14.61	2,184.84	0.93
Outside Java	36,238.42	9,840.96	14,809.00	2,689.07	1,784.94	1,769.75	67,132.15	28.61
Dist. of East Java	13,318.69	15,494.65	4,770.34	1,227.32	393.02	613.88	35,817.90	15.27
Dist. of Central Java & Yogyakarta	12,317.48	8,395.20	3,643.46	1,196.01	323.16	539.75	26,415.06	11.26
- Central Java	10,815.71	8,142.04	2,907.20	950.34	260.05	482.68	23,558.01	10.04
- D.I. Yogyakarta	1,501.77	253.16	736.27	245.68	63.11	57.07	2,857.05	1.22
Dist. of West Java	17,933.63	23,903.66	5,644.72	1,058.78	417.98	352.95	49,311.71	21.02
Dist. of Banten	4,825.17	14,803.30	2,989.71	301.81	151.54	90.32	23,161.85	9.87
Dist. of Jakarta Raya	13,198.89	4,508.73	12,170.17	1,308.34	1,332.64	260.42	32,779.20	13.97
Java	61,593.86	67,105.54	29,218.40	5,092.27	2,618.34	1,857.32	167,485.72	71.39
Indonesia	97,832.28	76,946.50	44,027.40	7,781.34	4,403.28	3,627.07	234,617.88	100
(%)	41.70	32.80	18.77	3.32	1.88	1.55	100	-

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

2018

PLN Operational Unit/ Province	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total	(%)
Region of Aceh	920,020.29	148,449.83	375,924.84	118,434.99	122,057.99	163,010.25	1,847,898.20	0.70
Region of North Sumatera	3,704,034.77	3,097,441.55	1,815,038.29	298,702.47	168,169.50	599,543.63	9,682,930.21	3.68
Region of West Sumatera	1,163,079.54	1,016,821.61	491,525.39	108,399.86	91,639.45	134,065.41	3,005,531.26	1.14
Region of Riau	1,924,217.93	478,690.14	1,355,292.54	164,791.06	169,308.35	292,371.02	4,384,671.03	1.66
- Riau	1,352,015.06	440,136.24	1,016,934.57	139,900.91	123,675.31	261,984.47	3,334,646.56	1.27
- Riau Archipelago	572,202.87	38,553.89	338,357.97	24,890.15	45,633.04	30,386.55	1,050,024.47	0.40
Region of South Sumatera, Jambi & Bengkulu	3,413,906.59	1,265,326.70	1,648,620.19	198,978.91	219,966.06	253,018.77	6,999,817.22	2.66
- South Sumatera	1,809,793.32	1,057,725.87	1,130,719.44	137,366.28	139,684.23	206,426.63	4,481,715.77	1.70
- Jambi	910,951.88	132,016.01	363,515.38	36,427.86	42,138.46	31,289.15	1,516,338.74	0.58
- Bengkulu	693,161.39	75,584.82	154,385.37	25,184.77	38,143.36	15,302.99	1,001,762.71	0.38
Region of Bangka Belitung	10,666.22	173,539.19	178,342.79	23,459.13	36,891.26	7,803.63	430,702.23	0.16
Distribution of Lampung	1,606,633.76	1,036,642.22	619,439.63	95,653.94	80,528.71	166,561.47	3,605,459.72	1.37
Region of West Kalimantan	824,960.03	179,420.08	529,445.72	65,447.95	88,920.54	57,265.62	1,745,459.94	0.66
Region of S & C Kalimantan	1,423,266.58	430,349.22	803,507.38	100,860.77	158,726.22	117,564.57	3,034,274.74	1.15
- South Kalimantan	529,112.86	361,869.92	499,967.05	66,111.75	86,070.34	88,848.66	1,631,980.59	0.62
- Central Kalimantan	894,153.72	68,479.30	303,540.33	34,749.02	72,655.88	28,715.91	1,402,294.15	0.53
Region of East Kalimantan & North Region of N, C Sulawesi & Gorontalo	1,231,152.50	316,771.43	1,045,061.04	113,353.05	187,630.59	79,724.29	2,973,692.89	1.13
- North Sulawesi	965,399.33	383,528.83	738,054.72	98,070.44	147,345.52	185,306.04	2,517,704.89	0.96
- North Sulawesi	531,648.81	298,151.48	433,430.74	41,052.52	53,380.70	69,476.86	1,427,141.11	0.54
- Gorontalo	297,779.94	35,792.77	102,169.86	18,236.08	43,968.19	13,389.58	511,336.42	0.19
- Central Sulawesi	135,970.58	49,584.59	202,454.11	38,781.85	49,996.63	102,439.61	579,227.36	0.22
Region of S, SE & W Sulawesi	2,679,185.60	1,183,956.22	1,588,141.08	226,181.27	262,014.36	231,932.36	6,171,410.89	2.34
- South Sulawesi	1,722,866.39	1,116,199.36	1,292,917.20	188,321.83	189,389.43	194,469.04	4,704,163.24	1.79
- Southeast Sulawesi	690,564.17	52,589.95	222,073.36	26,542.61	47,648.16	26,070.62	1,065,488.86	0.40
- West Sulawesi	265,755.04	15,166.92	73,150.52	11,316.83	24,976.78	11,392.71	401,758.79	0.15
Region of Maluku & North Maluku	389,799.85	17,769.47	238,893.27	27,760.09	101,246.80	23,719.38	799,188.85	0.30
- Maluku	221,259.92	11,902.88	163,930.45	16,748.64	56,543.80	10,707.46	481,093.14	0.18
- North Maluku	168,539.93	5,866.59	74,962.83	11,011.45	44,703.00	13,011.91	318,095.71	0.12
Region of Papua	403,923.83	18,660.78	399,167.81	49,559.85	129,552.93	24,112.05	1,024,977.25	0.39
- Papua	308,996.72	6,746.71	205,377.11	26,524.80	77,764.72	13,789.87	639,199.92	0.24
- West Papua	94,927.12	11,914.07	193,790.70	23,035.05	51,788.21	10,322.18	385,777.32	0.15
Distribution of Bali	1,332,088.93	206,785.61	2,758,306.46	108,569.06	147,272.89	101,828.14	4,654,851.09	1.77
Region of West Nusa Tenggara	422,877.87	121,904.67	423,865.00	44,658.53	54,486.34	85,586.72	1,153,379.12	0.44
Region of East Nusa Tenggara	15,581.69	44,196.84	187,107.31	28,135.75	42,708.33	19,905.28	337,635.19	0.13
PT PLN Batam	755,645.73	618,976.56	913,035.17	47,921.40	62,597.21	25,483.53	2,423,659.60	0.92
Outside Java	23,186,441.05	10,739,230.95	16,108,768.62	1,918,938.51	2,271,063.02	2,568,802.15	56,793,244.31	21.56
Dist. of East Java	8,529,108.01	16,697,068.47	4,909,338.66	869,278.48	501,529.68	895,971.28	32,402,294.59	12.30
Dist. of Central Java & Yogyakarta	7,293,552.13	9,227,457.43	3,935,965.00	867,661.24	416,218.03	790,208.07	22,531,061.89	8.55
- Central Java	5,678,554.54	8,947,679.30	3,012,145.45	657,428.36	333,275.08	706,471.16	19,335,553.89	7.34
- D.I. Yogyakarta	1,614,997.59	279,778.12	923,819.56	210,232.88	82,942.95	83,736.90	3,195,508.00	1.21
Dist. of West Java	11,115,490.03	26,411,099.56	5,979,747.95	746,987.34	522,706.50	516,518.24	45,292,549.61	17.19
Dist. of Banten	3,119,613.86	15,701,571.54	3,322,049.73	227,542.55	189,771.95	129,022.41	22,689,572.06	8.61
Dist. of Jakarta Raya	12,685,955.96	4,878,219.70	13,959,321.04	1,169,079.74	1,574,162.42	381,035.71	34,647,774.57	13.15
Java	42,743,719.99	72,915,416.70	32,106,422.38	3,880,549.35	3,204,388.59	2,712,755.71	157,563,252.72	59.80
Prepaid Electricity	42,056,476.96	74,999.45	6,660,799.99	618,378.66	171,564.54	28,636.26	49,610,855.85	-
Central Unit	(133,182.29)	(219,271.36)	(106,139.79)	(12,152.84)	(10,318.64)	(8,736.58)	(489,801.50)	-
Indonesia	107,853,455.71	83,510,375.74	54,769,851.20	6,405,713.68	5,636,697.51	5,301,457.54	263,477,551.39	100
(%)	35.31	34.98	22.62	2.3	2.34	2.46	100	-

Table 8 : Average Energy Sold by Customers (kWh)**2018**

PLN Operational Unit/ Province	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total
Region of Aceh	1,297.77	48,068.94	3,677.33	4,175.09	8,909.62	61,052.14	1,814.13
Region of North Sumatera	1,495.10	654,688.55	11,618.67	5,757.14	13,114.23	25,564.58	2,868.84
Region of West Sumatera	1,333.98	2,082,212.12	4,113.18	4,243.51	10,950.64	26,489.36	2,444.09
Region of Riau	1,745.68	1,055,196.64	8,379.38	6,605.73	17,104.56	57,156.87	2,774.68
- Riau	1,722.37	1,242,378.45	7,998.92	6,578.25	16,944.54	63,206.10	2,712.96
- Riau Archipelago	1,898.35	379,262.32	10,227.29	6,786.03	17,571.71	31,376.74	3,166.05
Region of South Sumatera, Jambi & Bengkulu	1,454.99	911,345.16	11,138.72	4,429.54	13,566.60	19,856.68	2,309.76
- South Sumatera	1,461.25	1,134,680.47	13,062.13	4,620.99	14,640.81	22,663.96	2,418.77
- Jambi	1,578.79	427,427.58	9,108.75	4,950.43	13,807.80	13,550.88	2,427.66
- Bengkulu	1,312.92	493,058.41	6,875.39	3,205.54	10,398.10	11,562.67	1,728.96
Region of Bangka Belitung	1,566.63	316,005.92	7,460.40	5,413.56	12,158.68	5,695.75	2,372.57
Distribution of Lampung	1,260.20	1,113,365.80	9,628.85	3,040.88	14,776.16	58,062.42	2,039.85
Region of West Kalimantan	1,449.89	297,428.84	7,463.77	4,214.39	14,668.39	13,359.30	2,123.25
Region of S & C Kalimantan	1,454.33	446,833.15	6,484.67	3,234.86	12,242.75	19,117.02	2,142.20
- South Kalimantan	1,429.71	505,964.74	8,821.96	3,288.82	12,592.50	20,790.43	2,198.39
- Central Kalimantan	1,505.65	273,013.77	4,325.37	3,115.84	11,821.89	15,278.11	2,031.78
Region of East Kalimantan & North	2,016.91	561,824.22	14,986.26	8,262.31	27,124.15	20,938.33	3,278.92
Region of N, C Sulawesi & Gorontalo	1,269.34	437,482.67	12,237.52	3,994.50	12,690.22	57,359.41	2,098.94
- North Sulawesi	1,314.64	668,397.36	16,619.95	4,947.90	11,350.77	48,797.39	2,527.15
- Gorontalo	1,297.16	230,881.55	10,362.79	3,769.43	16,851.79	20,791.54	1,906.32
- Central Sulawesi	1,210.29	149,269.39	7,813.32	3,214.87	11,967.85	85,811.08	1,730.94
Region of S, SE & W Sulawesi	1,310.93	435,854.76	9,973.17	5,593.37	13,090.75	34,291.45	2,275.68
- South Sulawesi	1,377.61	502,281.16	11,081.03	6,875.17	16,071.71	37,061.81	2,537.57
- Southeast Sulawesi	1,198.89	139,086.83	7,282.92	3,033.04	7,822.34	21,225.57	1,671.31
- West Sulawesi	985.03	103,642.87	5,471.57	2,439.95	10,997.11	38,822.63	1,353.89
Region of Maluku & North Maluku	1,185.99	135,996.34	7,386.91	3,181.56	15,230.87	22,073.24	1,714.72
- Maluku	1,175.14	139,300.40	7,617.91	3,278.17	17,313.77	29,869.74	1,746.72
- North Maluku	1,201.33	129,952.32	6,989.44	3,056.45	12,847.69	17,475.30	1,669.23
Region of Papua	1,549.30	158,140.33	7,848.75	5,028.32	16,468.10	12,005.37	2,372.57
- Papua	1,584.87	93,468.57	8,365.78	5,332.10	19,731.37	15,106.91	2,458.98
- West Papua	1,496.72	281,940.57	7,083.30	4,592.68	12,837.86	9,318.74	2,245.41
Distribution of Bali	1,881.67	159,317.58	13,087.69	4,097.62	27,162.33	12,409.42	3,806.82
Region of West Nusa Tenggara	879.47	265,212.61	9,709.74	2,799.38	10,984.83	22,428.67	1,312.22
Region of East Nusa Tenggara	830.63	193,112.61	7,128.84	3,312.02	6,809.91	23,215.67	1,299.45
PT PLN Batam	2,520.92	1,690,725.61	18,907.60	16,620.14	99,481.36	13,426.93	6,825.76
Outside Java	1,430.20	536,935.94	9,418.99	4,611.51	14,164.43	26,808.74	2,423.22
Dist. of East Java	1,282.56	490,445.72	7,055.92	3,952.28	19,104.63	13,130.79	3,122.75
Dist. of Central Java & Yogyakarta	1,187.45	800,228.93	7,784.44	4,196.20	12,764.52	11,175.91	2,356.34
- Central Java	1,165.93	832,859.81	7,130.50	3,719.31	11,764.95	12,129.22	2,353.12
- D.I. Yogyakarta	1,369.55	354,075.80	12,203.78	8,325.44	19,641.13	6,713.28	2,383.23
Dist. of West Java	1,375.12	1,578,632.70	9,937.55	3,752.55	25,156.92	4,865.78	3,523.29
Dist. of Banten	1,667.36	2,278,482.58	17,151.68	5,264.04	40,367.83	13,440.43	7,370.48
Dist. of Jakarta Raya	3,266.80	735,038.95	41,683.38	31,276.82	228,230.30	28,984.17	7,458.18
Java	1,512.13	960,612.96	13,412.68	5,212.82	36,316.90	10,133.29	3,788.10
Indonesia	1,480.71	872,557.71	11,738.56	4,988.05	22,226.13	14,548.86	3,262.32

Table 9 : Average Selling Price of Electricity by Type of Customer (Rp/kWh) 2018

PLN Operational Unit/ Province	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total
Region of Aceh	567.11	1,025.32	871.61	651.05	1,285.98	1,448.73	714.10
Region of North Sumatera	727.50	1,098.48	1,135.04	771.64	1,296.74	1,434.56	927.04
Region of West Sumatera	692.15	1,028.08	956.93	719.88	1,292.02	1,464.02	859.66
Region of Riau	659.95	1,093.13	1,059.29	745.08	1,304.49	1,470.74	846.00
- Riau	541.74	1,090.06	1,004.07	731.99	1,291.37	1,471.40	761.82
- Riau Archipelago	1,362.28	1,129.50	1,269.09	828.33	1,341.41	1,465.12	1,303.42
Region of South Sumatera, Jambi & Bengkulu	762.58	1,102.79	1,225.88	740.67	1,314.24	1,469.69	923.80
- South Sumatera	582.65	1,097.97	1,200.90	720.26	1,287.55	1,470.00	822.23
- Jambi	1,259.30	1,119.06	1,295.89	811.84	1,359.98	1,468.84	1,243.90
- Bengkulu	1,070.98	1,144.01	1,257.48	761.82	1,367.24	1,467.27	1,103.93
Region of Bangka Belitung	165.38	1,165.95	924.80	583.47	1,182.90	936.49	403.90
Distribution of Lampung	644.75	1,128.59	1,180.79	653.27	1,295.75	1,466.60	846.92
Region of West Kalimantan	560.85	1,129.66	983.82	686.85	1,262.14	1,467.00	735.65
Region of S & C Kalimantan	608.84	1,137.08	1,065.58	657.74	1,301.83	1,456.25	793.03
- South Kalimantan	340.68	1,131.66	1,014.92	616.30	1,256.67	1,453.09	627.11
- Central Kalimantan	1,139.69	1,166.64	1,161.04	754.20	1,359.71	1,466.10	1,145.86
Region of East Kalimantan & North	599.47	1,155.38	1,112.35	700.36	1,226.72	1,447.75	817.56
Region of N, C Sulawesi & Gorontalo	522.52	1,128.28	1,076.71	665.76	1,154.28	1,429.47	768.16
- North Sulawesi	654.37	1,087.97	1,012.42	569.81	1,219.61	1,495.57	851.06
- Gorontalo	929.43	1,139.90	1,198.84	763.07	1,321.07	1,440.70	1,015.59
- Central Sulawesi	190.24	1,438.02	1,176.13	755.09	988.07	1,386.50	527.91
Region of S, SE & W Sulawesi	744.32	1,060.68	1,169.48	770.32	1,291.72	1,455.78	917.07
- South Sulawesi	624.00	1,055.71	1,149.18	763.21	1,275.33	1,453.10	859.60
- Southeast Sulawesi	1,140.32	1,149.27	1,272.16	816.64	1,338.45	1,470.98	1,168.64
- West Sulawesi	1,141.00	1,152.27	1,253.79	787.73	1,332.87	1,467.28	1,163.54
Region of Maluku & North Maluku	615.27	1,126.39	1,107.73	653.58	1,350.29	1,444.32	800.11
- Maluku	601.50	1,139.30	1,165.46	678.24	1,243.18	1,298.81	805.35
- North Maluku	634.34	1,101.08	999.46	619.34	1,515.44	1,591.00	792.31
Region of Papua	473.94	1,156.88	949.44	671.31	1,217.41	1,425.44	689.76
- Papua	594.13	1,077.34	767.87	575.09	1,158.15	1,395.75	697.09
- West Papua	285.77	1,207.35	1,266.91	831.50	1,318.74	1,467.12	677.96
Distribution of Bali	618.45	1,102.76	1,049.22	727.66	1,300.85	1,456.46	877.83
Region of West Nusa Tenggara	374.39	1,152.00	1,152.11	647.00	1,186.35	1,459.81	649.13
Region of East Nusa Tenggara	-	1,105.63	808.11	539.88	1,010.39	1,363.13	364.06
PT PLN Batam	1,096.04	1,028.37	1,165.14	871.62	1,553.67	1,744.43	1,109.31
Outside Java	639.83	1,091.28	1,087.77	713.61	1,272.34	1,451.50	845.99
Dist. of East Java	640.39	1,077.60	1,029.14	708.27	1,276.09	1,459.53	904.64
Dist. of Central Java & Yogyakarta	592.13	1,099.13	1,080.28	725.46	1,287.97	1,464.02	852.96
- Central Java	525.03	1,098.95	1,036.10	691.78	1,281.57	1,463.64	820.76
- D.I. Yogyakarta	1,075.40	1,105.13	1,254.74	855.73	1,314.32	1,467.28	1,118.46
Dist. of West Java	619.81	1,104.90	1,059.35	705.52	1,250.55	1,463.43	918.49
Dist. of Banten	646.53	1,060.68	1,111.16	753.92	1,252.28	1,428.51	979.61
Dist. of Jakarta Raya	961.14	1,081.95	1,147.01	893.56	1,181.24	1,463.14	1,057.01
Java	693.96	1,086.58	1,098.84	762.05	1,223.82	1,460.57	940.76
Indonesia	1,102.43	1,085.30	1,243.99	823.21	1,280.11	1,461.64	1,123.01

Table 10 : Number of Customers by Type of Voltage
2018

PLN Operational Unit/ Province	Voltage				Total	(%)
	Low	Medium	High	Multipurpose		
Region of Aceh	1,425,997	426	-	-	1,426,423	1.98
Region of North Sumatera	3,637,602	3,242	3	-	3,640,847	5.06
Region of West Sumatera	1,429,671	791	2	-	1,430,464	1.99
Region of Riau	1,866,830	1,063	-	-	1,867,893	2.60
- Riau	1,612,494	953	-	-	1,613,447	2.24
- Riau Archipelago	254,336	110	-	-	254,446	0.35
Region of South Sumatera, Jambi & Bengkulu	3,279,474	1,019	1	-	3,280,494	4.56
- South Sumatera	2,252,780	721	1	-	2,253,502	3.13
- Jambi	502,017	122	-	-	502,139	0.70
- Bengkulu	524,677	176	-	-	524,853	0.73
Region of Bangka Belitung	448,257	1,193	-	-	449,450	0.62
Distribution of Lampung	2,086,329	659	-	-	2,086,988	2.90
Region of West Kalimantan	1,117,141	329	-	-	1,117,470	1.55
Region of S & C Kalimantan	1,785,712	382	-	-	1,786,094	2.48
- South Kalimantan	1,183,492	279	-	-	1,183,771	1.65
- Central Kalimantan	602,220	103	-	-	602,323	0.84
Region of East Kalimantan & North	1,108,793	497	-	-	1,109,290	1.54
Region of N, C Sulawesi & Gorontalo	1,560,962	580	1	-	1,561,543	2.17
- North Sulawesi	663,286	264	1	-	663,551	0.92
- Gorontalo	264,044	72	-	-	264,116	0.37
- Central Sulawesi	633,632	244	-	-	633,876	0.88
Region of S, SE & W Sulawesi	2,956,037	1,104	3	-	2,957,144	4.11
- South Sulawesi	2,155,672	910	3	-	2,156,585	3.00
- Southeast Sulawesi	545,400	123	-	-	545,523	0.76
- West Sulawesi	254,965	71	-	-	255,036	0.35
Region of Maluku & North Maluku	582,317	198	-	-	582,515	0.81
- Maluku	341,831	167	-	-	341,998	0.48
- North Maluku	240,486	31	-	-	240,517	0.33
Region of Papua	626,113	205	-	-	626,318	0.87
- Papua	372,770	132	-	-	372,902	0.52
- West Papua	253,343	73	-	-	253,416	0.35
Distribution of Bali	1,349,636	43,303	-	-	1,392,939	1.94
Region of West Nusa Tenggara	1,353,628	427	-	-	1,354,055	1.88
Region of East Nusa Tenggara	713,267	429	-	-	713,696	0.99
PT PLN Batam	317,948	2,139	-	-	320,087	0.45
Outside Java	27,645,714	57,986	10	-	27,703,710	38.52
Dist. of East Java	11,465,625	4,321	24	-	11,469,970	15.95
Dist. of Central Java & Yogyakarta	11,206,430	3,767	5	-	11,210,202	15.59
- Central Java	10,008,074	3,309	5	-	10,011,388	13.92
- D.I. Yogyakarta	1,198,356	458	-	-	1,198,814	1.67
Dist. of West Java	13,989,173	6,733	28	-	13,995,934	19.46
Dist. of Banten	3,136,953	5,537	25	-	3,142,515	4.37
Dist. of Jakarta Raya	4,378,767	16,293	6	-	4,395,066	6.11
Java	44,176,948	36,651	88	-	44,213,687	61.48
Indonesia	71,822,662	94,637	98	-	71,917,397	100.00
(%)	99.87	0.13	-	-	100.00	-

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

2018

PLN Operational Unit/ Province	Voltage				Total	(%)
	Low	Medium	High	Multi- purpose		
Region of Aceh	1,484.70	95.31	-	-	1,580.01	1.21
Region of North Sumatera	4,311.81	1,268.65	110.10	-	5,690.56	4.37
Region of West Sumatera	1,583.22	177.76	140.00	-	1,900.98	1.46
Region of Riau	2,746.80	394.61	-	-	3,141.40	2.41
- Riau	2,291.62	330.44	-	-	2,622.06	2.01
- Riau Archipelago	455.18	64.17	-	-	519.35	0.40
Region of South Sumatera, Jambi & Bengkulu	4,005.83	690.44	45.00	-	4,741.27	3.64
- South Sumatera	2,716.86	554.61	45.00	-	3,316.47	2.55
- Jambi	734.02	88.73	-	-	822.74	0.63
- Bengkulu	554.95	47.10	-	-	602.05	0.46
Region of Bangka Belitung	651.80	118.56	-	-	770.36	0.59
Distribution of Lampung	2,265.33	518.59	-	-	2,783.92	2.14
Region of West Kalimantan	1,376.37	153.79	-	-	1,530.16	1.17
Region of S & C Kalimantan	1,991.90	275.55	-	-	2,267.44	1.74
- South Kalimantan	1,283.19	212.09	-	-	1,495.29	1.15
- Central Kalimantan	708.70	63.45	-	-	772.16	0.59
Region of East Kalimantan & North	1,758.49	337.13	-	-	2,095.62	1.61
Region of N, C Sulawesi & Gorontalo	1,743.26	256.35	30.00	-	2,029.61	1.56
- North Sulawesi	801.05	179.03	30	-	1,010.08	0.78
- Gorontalo	447.58	55.91	-	-	503.49	0.39
- Central Sulawesi	494.63	21.42	-	-	516.04	0.40
Region of S, SE & W Sulawesi	3,750.22	548.79	162.25	-	4,461.26	3.42
- South Sulawesi	2,765.15	489.08	162.25	-	3,416.49	2.62
- Southeast Sulawesi	692.59	48.01	-	-	740.60	0.57
- West Sulawesi	292.47	11.70	-	-	304.17	0.23
Region of Maluku & North Maluku	676.17	41.97	-	-	718.14	0.55
- Maluku	398.02	31.53	-	-	429.55	0.33
- North Maluku	278.15	10.44	-	-	288.59	0.22
Region of Papua	1,010.81	78.15	-	-	1,088.96	0.84
- Papua	604.33	48.91	-	-	653.24	0.50
- West Papua	406.48	29.24	-	-	435.72	0.33
Distribution of Bali	2,828.63	664.06	-	-	3,492.70	2.68
Region of West Nusa Tenggara	1,366.11	111.99	-	-	1,478.10	1.13
Region of East Nusa Tenggara	847.35	63.71	-	-	911.06	0.70
PT PLN Batam	884.65	530.23	-	-	1,414.88	1.09
Outside Java	35,283.45	6,325.63	487.35	-	42,096.43	32.31
Dist. of East Java	13,298.87	5,157.91	1,027.66	-	19,484.45	14.96
Dist. of Central Java & Yogyakarta	11,412.17	3,077.52	241.00	-	14,730.69	11.31
- Central Java	9,911.31	2,756.12	241.00	-	12,908.43	9.91
- D.I. Yogyakarta	1,500.86	321.41	-	-	1,822.27	1.40
Dist. of West Java	15,761.96	7,623.74	1,468.90	-	24,854.60	19.08
Dist. of Banten	4,562.26	4,351.53	1,637.30	-	10,551.09	8.10
Dist. of Jakarta Raya	11,240.19	6,934.96	388.14	-	18,563.30	14.25
Java	56,275.46	27,145.66	4,763.00	-	88,184.12	67.69
Indonesia	91,558.91	33,471.29	5,250.35	-	130,280.55	100.00
(%)	70.28	25.69	4.03	-	100.00	-

Table 12 : Energy Sold by Type of Voltage (GWh)
2018

PLN Operational Unit/ Province	Voltage				Total	(%)
	Low	Medium	High	Multi- purpose		
Region of Aceh	2,420.38	167.34	-	-	2,587.71	1.10
Region of North Sumatera	7,180.83	2,889.08	375.10	-	10,445.02	4.45
Region of West Sumatera	2,391.94	357.42	746.82	-	3,496.18	1.49
Region of Riau	4,350.57	832.24	-	-	5,182.80	2.21
- Riau	3,673.84	703.37	-	-	4,377.21	1.87
- Riau Archipelago	676.73	128.86	-	-	805.59	0.34
Region of South Sumatera, Jambi & Bengkulu	5,963.99	1,440.37	172.80	-	7,577.17	3.23
- South Sumatera	4,107.01	1,170.88	172.80	-	5,450.69	2.32
- Jambi	1,033.37	185.65	-	-	1,219.02	0.52
- Bengkulu	823.61	83.84	-	-	907.45	0.39
Region of Bangka Belitung	882.19	184.16	-	-	1,066.35	0.45
Distribution of Lampung	3,237.85	1,019.30	-	-	4,257.15	1.81
Region of West Kalimantan	2,106.71	265.96	-	-	2,372.67	1.01
Region of S & C Kalimantan	3,269.25	556.93	-	-	3,826.18	1.63
- South Kalimantan	2,134.27	468.12	-	-	2,602.39	1.11
- Central Kalimantan	1,134.98	88.81	-	-	1,223.79	0.52
Region of East Kalimantan & North	2,922.50	714.77	-	-	3,637.27	1.55
Region of N, C Sulawesi & Gorontalo	2,682.56	518.47	76.55	-	3,277.58	1.40
- North Sulawesi	1,214.29	386.04	76.55	-	1,676.89	0.71
- Gorontalo	447.58	55.91	-	-	503.49	0.21
- Central Sulawesi	1,020.68	76.52	-	-	1,097.20	0.47
Region of S, SE & W Sulawesi	5,289.27	937.15	503.09	-	6,729.51	2.87
- South Sulawesi	4,112.51	856.89	503.09	-	5,472.48	2.33
- Southeast Sulawesi	847.38	64.35	-	-	911.74	0.39
- West Sulawesi	329.38	15.91	-	-	345.29	0.15
Region of Maluku & North Maluku	943.84	55.02	-	-	998.85	0.43
- Maluku	557.51	39.86	-	-	597.37	0.25
- North Maluku	386.32	15.16	-	-	401.48	0.17
Region of Papua	1,364.38	121.60	-	-	1,485.98	0.63
- Papua	833.53	83.43	-	-	916.96	0.39
- West Papua	530.85	38.17	-	-	569.02	0.24
Distribution of Bali	3,911.19	1,391.47	-	-	5,302.67	2.26
Region of West Nusa Tenggara	1,587.48	189.33	-	-	1,776.81	0.76
Region of East Nusa Tenggara	822.47	104.95	-	-	927.42	0.40
PT PLN Batam	1,169.69	1,015.14	-	-	2,184.84	0.93
Outside Java	52,497.08	12,760.71	1,874.36	-	67,132.15	28.61
Dist. of East Java	19,760.32	12,162.04	3,895.54	-	35,817.90	15.27
Dist. of Central Java & Yogyakarta	17,245.90	8,382.91	786.26	-	26,415.06	11.26
- Central Java	15,036.61	7,735.14	786.26	-	23,558.01	10.04
- D.I. Yogyakarta	2,209.29	647.76	-	-	2,857.05	1.22
Dist. of West Java	23,929.79	20,097.99	5,283.94	-	49,311.71	21.02
Dist. of Banten	7,174.47	10,554.73	5,432.65	-	23,161.85	9.87
Dist. of Jakarta Raya	18,461.30	13,347.15	970.75	-	32,779.20	13.97
Java	86,571.78	64,544.81	16,369.14	-	167,485.72	71.39
Indonesia	139,068.86	77,305.52	18,243.50	-	234,617.88	100.00
(%)	59.27	32.95	7.78	-	100.00	-

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

2018

PLN Operational Unit/ Province	Voltage				Total	(%)
	Low	Medium	High	Multipurpose		
Region of Aceh	1,669,641.22	175,284.94	-	2,972.04	1,847,898.20	0.70
Region of North Sumatera	6,072,614.21	3,197,302.23	379,148.12	33,865.64	9,682,930.21	3.68
Region of West Sumatera	1,864,895.78	388,237.63	744,385.39	8,012.46	3,005,531.26	1.14
Region of Riau	3,456,028.46	909,450.10	-	19,192.47	4,384,671.03	1.66
- Riau	2,558,205.27	759,418.76	-	17,022.52	3,334,646.56	1.27
- Riau Archipelago	897,823.19	150,031.34	-	2,169.95	1,050,024.47	0.40
Region of South Sumatera, Jambi & Bengkulu	5,151,972.80	1,477,580.81	172,237.67	198,025.94	6,999,817.22	2.66
- South Sumatera	2,944,496.72	1,185,227.36	172,237.67	179,754.03	4,481,715.77	1.70
- Jambi	1,299,445.76	201,034.10	-	15,858.88	1,516,338.74	0.58
- Bengkulu	908,030.32	91,319.35	-	2,413.04	1,001,762.71	0.38
Region of Bangka Belitung	214,639.65	206,942.90	-	9,119.68	430,702.23	0.16
Distribution of Lampung	2,453,240.05	1,139,307.73	-	12,911.95	3,605,459.72	1.37
Region of West Kalimantan	1,441,181.23	286,260.88	-	18,017.83	1,745,459.94	0.66
Region of S & C Kalimantan	2,389,672.93	604,451.23	-	40,150.57	3,034,274.74	1.15
- South Kalimantan	1,090,074.76	506,256.52	-	35,649.31	1,631,980.59	0.62
- Central Kalimantan	1,299,598.17	98,194.71	-	4,501.26	1,402,294.15	0.53
Region of East Kalimantan & North	2,133,363.33	788,895.16	-	51,434.40	2,973,692.89	1.13
Region of N, C Sulawesi & Gorontalo	1,837,360.77	577,866.71	80,512.29	21,965.13	2,517,704.89	0.96
- North Sulawesi	891,874.84	432,788.85	80,512.29	21,965.13	1,427,141.10	0.54
- Gorontalo	455,926.10	55,410.32	-	-	511,336.42	0.19
- Central Sulawesi	489,559.82	89,667.54	-	-	579,227.36	0.22
Region of S, SE & W Sulawesi	4,615,830.70	1,003,963.10	499,435.35	52,181.74	6,171,410.89	2.34
- South Sulawesi	3,244,018.78	918,918.65	499,435.35	52,181.74	4,714,554.53	1.79
- Southeast Sulawesi	990,254.80	71,247.26	-	-	1,061,502.05	0.40
- West Sulawesi	381,557.12	13,797.19	-	-	395,354.31	0.15
Region of Maluku & North Maluku	734,907.20	58,816.82	-	5,464.83	799,188.85	0.30
- Maluku	434,078.54	41,549.77	-	5,464.83	481,093.14	0.18
- North Maluku	300,828.66	17,267.05	-	-	318,095.71	0.12
Region of Papua	887,794.37	131,512.22	-	5,670.65	1,024,977.25	0.39
- Papua	571,214.75	85,891.05	-	5,670.65	662,776.45	0.25
- West Papua	316,579.62	45,621.17	-	-	362,200.79	0.14
Distribution of Bali	3,130,063.17	1,497,220.88	-	27,567.04	4,654,851.09	1.77
Region of West Nusa Tenggara	931,340.23	198,021.83	-	24,017.06	1,153,379.12	0.44
Region of East Nusa Tenggara	219,138.58	104,491.25	-	14,005.35	337,635.19	0.13
PT PLN Batam	1,390,595.32	1,026,840.01	-	6,224.28	2,423,659.60	0.92
O u s i d e J a v a	40,594,280.00	13,772,446.43	1,875,718.82	550,799.06	56,793,244.31	21.56
Dist. of East Java	15,001,955.61	13,420,943.93	3,931,778.79	47,616.26	32,402,294.59	12.30
Dist. of Central Java & Yogyakarta	12,454,783.81	9,232,633.90	792,085.37	51,558.81	22,531,061.89	8.55
- Central Java	9,960,735.58	8,534,103.28	792,085.37	51,558.81	19,338,483.04	7.34
- D.I. Yogyakarta	2,494,048.23	698,530.62	-	-	3,192,578.85	1.21
Dist. of West Java	17,150,624.23	22,570,644.81	5,310,262.62	261,017.95	45,292,549.61	17.19
Dist. of Banten	5,597,134.04	11,382,313.59	5,421,810.13	288,314.30	22,689,572.06	8.61
Dist. of Jakarta Raya	18,784,729.93	14,435,671.44	950,094.74	477,278.46	34,647,774.57	13.15
J a v a	68,989,227.62	71,042,207.67	16,406,031.64	1,125,785.79	157,563,252.72	59.80
Prepaid Electricity	49,390,650.78	-	-	220,205.07	49,610,855.85	-
Central Unit	(219,215.91)	(217,935.89)	(49,085.22)	(3,564.48)	(489,801.50)	-
I n d o n e s i a	158,754,942.49	84,596,718.21	18,232,665.24	1,893,225.44	263,477,551.39	100
(%)	60.25	32.11	6.92	0.72	100.00	-

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

2018

Tariff Category	Customers	Connected (MVA)	Sold (MWh)	Revenue *) (thousand Rp)
S-1	665	0.11	1.02	454,091.16
S-2	1,558,092	3,909.73	5,054.73	3,915,682,352.67
S-3	1,905	1,553.00	2,726.61	2,490,031,328.51
R-1	64,720,077	55,865.93	87,125.46	92,189,666,764.88
R-2	1,115,633	4,604.57	6,724.39	9,838,556,877.98
R-3	234,758	3,106.10	3,981.41	5,824,777,972.31
B-1	3,071,766	5,271.30	7,214.82	6,980,347,513.82
B-2	601,607	12,128.48	17,258.00	25,244,882,399.33
B-3 **)	7,896	9,590.06	18,150.01	20,651,395,849.92
I-1	35,007	181.00	174.13	188,438,997.33
I-2	39,323	3,627.55	5,476.43	5,869,885,433.93
I-3	13,769	20,168.37	53,052.44	59,219,386,069.48
I-4	86	5,159.38	18,243.50	18,232,665,238.90
P-1	196,431	1,706.63	2,431.40	3,400,792,546.61
P-2	1,682	1,488.93	1,971.88	2,235,904,966.84
P-3	249,303	1,157.51	3,627.07	5,301,457,544.51
Traction T-1	71	331.79	274.16	222,784,135.95
Bulk C-1	25	25.03	87.56	232,849,285.60
Special Services	69,301	405.09	1,042.86	1,437,592,018.81
Total	71,917,397	130,280.55	234,617.88	263,477,551,389

*) Included Prepared Electricity and Auditor Correction

***) Included B4 Customers

Table 15 : Waiting List

2018

PLN Operational Unit/ Province	New Applicants		Connected		Discharging/ Cancelled		Waiting	
	Total	Capacity (kVA)	Total	Capacity (kVA)	Total	Capacity (kVA)	Total	Capacity (kVA)
Region of Aceh	69,321	88,566.30	68,997	86,654.15	200	785.55	124	1,126.60
Region of North Sumatera	176,657	291,182.46	175,487	281,855.81	556	3,209.20	614	6,117.45
Region of West Sumatera	79,221	98,906.35	77,845	95,299.95	1,041	2,999.55	335	606.85
Region of Riau	154,387	234,152.59	140,779	196,037.74	11,593	29,305.10	2,015	8,809.75
- Riau	139,787	196,560.75	126,448	162,076.00	11,485	26,076.30	1,854	8,408.45
- Riau Archipelago	14,600	37,591.84	14,331	33,961.74	108	3,228.80	161	401.30
Region of South Sumatera, Jambi & Bengkulu	219,863	324,070.40	211,285	295,223.90	4,331	11,848.65	4,247	16,997.85
- South Sumatera	152,346	228,797.65	146,181	213,117.40	3,689	10,452.00	2,476	5,228.25
- Jambi	33,176	47,847.05	31,085	42,275.50	515	1,251.55	1,576	4,320.00
- Bengkulu	34,341	47,425.70	34,019	39,831.00	127	145.10	195	7,449.60
Region of Bangka Belitung	25,567	53,550.45	24,751	51,992.00	623	884.05	193	674.40
Distribution of Lampung	135,097	169,424.10	132,604	163,838.20	891	3,962.55	1,602	1,623.35
Region of West Kalimantan	72,623	95,254.13	69,996	91,909.93	1,934	2,749.35	693	594.85
Region of S & C Kalimantan	120,487	148,366.35	119,126	144,794.60	893	2,949.25	468	622.50
- South Kalimantan	75,075	91,768.85	74,032	88,842.85	596	2,345.30	447	580.70
- Central Kalimantan	45,412	56,597.50	45,094	55,951.75	297	603.95	21	41.80
Region of East Kalimantan & North	76,888	131,769.20	75,153	124,509.20	1,261	6,378.65	474	881.35
Region of N, C Sulawesi & Gorontalo	92,602	131,650.15	90,995	123,513.65	288	603.70	1,319	7,532.80
- North Sulawesi	33,202	51,089.20	32,827	48,316.65	21	196.90	354	2,575.65
- Gorontalo	15,123	21,400.45	14,591	20,586.50	6	140.65	526	673.30
- Central Sulawesi	44,277	59,160.50	43,577	54,610.50	261	266.15	439	4,283.85
Region of S, SE & W Sulawesi	227,228	466,981.40	223,287	335,038.75	1,087	1,423.00	2,854	130,519.65
- South Sulawesi	130,677	222,373.75	128,909	219,680.75	912	1,140.45	856	1,552.55
- South East Sulawesi	67,356	211,296.95	65,694	82,517.10	167	263.35	1,495	128,516.50
- West Sulawesi	29,195	33,310.70	28,684	32,840.90	8	19.20	503	450.60
Region of Maluku & North Maluku	46,201	63,409.30	45,164	58,965.10	6	3,090.10	1,031	1,354.10
- Maluku	25,743	33,853.45	25,143	32,840.60	4	355.10	596	657.75
- North Maluku	20,458	29,555.85	20,021	26,124.50	2	2,735.00	435	696.35
Region of Papua	46,250	73,407.85	46,019	71,149.45	55	1,901.10	176	357.30
- Papua	27,854	41,452.55	27,678	41,159.95	3	3.90	173	288.70
- West Papua	18,396	31,955.30	18,341	29,989.50	52	1,897.20	3	68.60
Distribution of Bali	68,644	149,482.15	65,375	141,357.15	2,888	7,457.25	381	667.75
Region of West Nusa Tenggara	184,915	157,216.20	165,880	143,980.40	10,661	7,914.00	8,374	5,321.80
Region of East Nusa Tenggara	48,339	65,807.58	47,122	61,322.80	427	3,813.86	790	670.93
PT PLN Batam	-	-	-	-	-	-	-	-
Outside Java	1,844,290	2,743,197	1,779,865	2,467,443	38,735	91,275	25,690	184,479
Dist. of East Java	492,783	737,109.75	469,925	672,019.80	18,572	28,136.60	4,286	36,953.35
Dist. of Central Java & Yogyakarta	475,387	673,930.99	460,101	614,503.89	9,420	19,935.70	5,866	39,491.40
- Central Java	414,198	586,660.09	401,792	531,997.89	7,378	16,086.25	5,028	38,575.95
- D.I. Yogyakarta	61,189	87,270.90	58,309	82,506.00	2,042	3,849.45	838	915.450
Dist. of West Java	743,210	926,592.50	724,550	901,643.20	13,907	18,705.55	4,753	6,243.75
Dist. of Banten	211,257	418,384.55	200,035	334,192.50	9,161	21,876.10	2,061	62,315.95
Dist. of Jakarta Raya	202,294	425,035.80	199,938	417,890.10	1,467	5,518.10	889	1,627.60
Java	2,124,931	3,181,053.59	2,054,549	2,940,249	52,527	94,172	17,855	146,632.05
Indonesia	3,969,221	5,924,250.56	3,834,414	5,407,692.27	91,262	185,446.96	43,545	331,111.33

Table 16 : SAIDI and SAIFI**2018**

PLN Operational Unit/ Province	SAIDI Hours/Customer	SAIFI Times/Customer
Region of Aceh	14.02	10.54
Region of North Sumatera	4.40	2.90
Region of West Sumatera	13.21	9.52
Region of Riau	7.70	5.19
- Riau	-	-
- Riau Archipelago	-	-
Region of South Sumatera, Jambi & Bengkulu	73.92	34.00
- South Sumatera	-	-
- Jambi	-	-
- Bengkulu	-	-
Region of Bangka Belitung	4.80	4.54
Distribution of Lampung	27.28	16.55
Region of West Kalimantan	17.83	23.82
Region of S & C Kalimantan	59.65	31.53
- South Kalimantan	-	-
- Central Kalimantan	-	-
Region of East Kalimantan & North	25.94	22.92
Region of N, C Sulawesi & Gorontalo	24.52	18.41
- North Sulawesi	-	-
- Gorontalo	-	-
- Central Sulawesi	-	-
Region of S, SE & W Sulawesi	34.04	17.61
- South Sulawesi	-	-
- Southeast Sulawesi	-	-
- West Sulawesi	-	-
Region of Maluku & North Maluku	7.75	8.22
- Maluku	-	-
- North Maluku	-	-
Region of Papua	33.09	22.18
Distribution of Bali	4.72	3.85
Region of West Nusa Tenggara	15.26	9.11
Region of East Nusa Tenggara	14.19	12.26
PT PLN Batam	8.20	11.24
Outside Java	26.36	15.70
Dist. of East Java	6.00	3.91
Dist. of Central Java & Yogyakarta	23.06	14.85
- Central Java	-	-
- D.I. Yogyakarta	-	-
Dist. of West Java	3.87	3.13
Dist. of Banten	8.06	3.97
Dist. of Jakarta Raya	2.61	2.18
Java	9.46	6.27
Indonesia	15.97	9.90

Table 17 : SOD and SOF

2018

PLN Operational Unit/ Province	Interruption Duration (Hours)	Number of Interruption (Times)	Transmission Lines Length (kmc)	System Outage Duration (SOD) (Hours/100 kmc)	System Outage Frequency (SOF) (Times/100 kmc)
Region of Aceh	-	-	-	-	-
Region of North Sumatera	-	-	-	-	-
Region of West Sumatera	-	-	-	-	-
Region of Riau	-	-	189.08	-	-
- Riau	-	-	-	-	-
- Riau Archipelago	-	-	189.08	-	-
Region of South Sumatera, Jambi & Bengkulu	-	-	-	-	-
- South Sumatera	-	-	-	-	-
- Jambi	-	-	-	-	-
- Bengkulu	-	-	-	-	-
Region of Bangka Belitung	4.28	22.00	369.14	1.16	5.96
Distribution of Lampung	-	-	-	-	-
Region of West Kalimantan	-	-	818.42	-	-
Region of S & C Kalimantan	179.67	81.00	2,435.06	7.38	3.33
- South Kalimantan	56.37	38.00	1,414.90	3.98	2.69
- Central Kalimantan	123.30	43.00	1,020.16	12.09	4.22
Region of East Kalimantan & North	19.25	7.00	859.90	2.24	0.81
Region of N, C Sulawesi & Gorontalo	714.34	160.00	2,037.87	35.05	7.85
- North Sulawesi	584.12	123.00	989.23	59.05	12.43
- Gorontalo	90.22	19.00	474.77	19.00	4.00
- Central Sulawesi	40.00	18.00	573.88	6.97	3.14
Region of S, SE & W Sulawesi	111.42	29.00	2,775.84	4.01	1.04
- South Sulawesi	53.13	25.00	2,421.52	2.19	1.03
- Southeast Sulawesi	58.28	4.00	25.40	229.45	15.75
- West Sulawesi	-	-	328.92	-	-
Region of Maluku & North Maluku	-	-	50.78	-	-
- Maluku	-	-	50.78	-	-
- North Maluku	-	-	-	-	-
Region of Papua	1.80	3.00	218.00	0.83	1.38
- Papua	-	-	218.00	-	-
- West Papua	-	-	-	-	-
Distribution of Bali	-	-	-	-	-
Region of West Nusa Tenggara	5.30	2.00	398.83	1.33	0.50
Region of East Nusa Tenggara	5.41	7.00	774.82	0.70	0.90
PT PLN Batam	-	-	216.52	-	-
Generation of Kalimantan	183.94	171.00	5,277.40	3.49	3.24
Generation of Sulawesi	160.90	63.00	4,703.73	3.42	1.34
Sumatera Trans. and Control Center	82.68	45.00	14,406.00	0.57	0.31
Outside Java	1,468.99	590.00	35,531.39	60.18	26.67
Dist. of East Java	-	-	-	-	-
Dist. of Central Java & Yogyakarta	-	-	-	-	-
- Central Java	-	-	-	-	-
- D.I. Yogyakarta	-	-	-	-	-
Dist. of West Java	-	-	-	-	-
Dist. of Banten	-	-	-	-	-
Dist. of Jakarta Raya	-	-	-	-	-
PT Indonesia Power	-	-	-	-	-
PT Java Bali Genco	-	-	-	-	-
Distribution and Load Control Center (P2B)	312.75	117	23,080.88	1.36	0.51
Java	312.75	117.00	23,080.88	1.36	0.51
Indonesia	1,781.74	707.00	58,612.26	3.04	1.21

SOD= System Outage Duration

SOF= System Outage Frequency

Table 18 : Number of Distribution Interruption per 100 kmc**2018**

PLN Operational Unit/ Province	Number of Interruption (Times)	Medium Voltage Lines Length (kmc)	Number of Interruption (Times/100 kmc)
Region of Aceh	1,496	17,450.90	8.57
Region of North Sumatera	2,634	27,989.60	9.41
Region of West Sumatera	1,817	11,773.90	15.43
Region of Riau	2,655	14,340.42	18.51
- Riau	2,415	12,096.60	19.96
- Riau Archipelago	240	2,243.82	10.70
Region of South Sumatera, Jambi & Bengkulu	814	26,288.50	3.10
- South Sumatera	430	13,546.80	3.17
- Jambi	257	8,050.70	3.19
- Bengkulu	127	4,691.00	2.71
Region of Bangka Belitung	541	4,830.50	11.20
Distribution of Lampung	4,631	13,542.00	34.20
Region of West Kalimantan	2,686	11,691.90	22.97
Region of S & C Kalimantan	3,397	15,161.39	22.41
- South Kalimantan	2,368	8,850.88	26.75
- Central Kalimantan	1,029	6,310.51	16.31
Region of East Kalimantan & North	1,026	7,886.11	13.01
Region of N, C Sulawesi & Gorontalo	1,797	14,552.80	12.35
- North Sulawesi	1,028	5,356.00	19.19
- Gorontalo	233	2,233.60	10.43
- Central Sulawesi	536	6,963.20	7.70
Region of S, SE & W Sulawesi	2,861	23,089.90	12.39
- South Sulawesi	2,175	15,049.00	14.45
- Southeast Sulawesi	484	5,312.28	9.11
- West Sulawesi	202	2,728.62	7.40
Region of Maluku & North Maluku	544	7,197.96	7.56
- Maluku	459	4,135.01	11.10
- North Maluku	85	3,062.95	2.78
Region of Papua	684	5,734.00	11.93
- Papua	485	3,531.00	13.74
- West Papua	199	2,203.00	9.03
Distribution of Bali	513	7,779.59	6.59
Region of West Nusa Tenggara	759	6,003.70	12.64
Region of East Nusa Tenggara	853	7,747.38	11.01
PT PLN Batam	225	1,652.74	13.61
Generation of Northern Part of Sumatera	-	-	-
Generation of Southern Part of Sumatera	-	-	-
Sumatera Trans. and Control Center	-	-	-
O u t s i d e J a v a	29,933	224,713.29	13.32
Dist. of East Java	3,451	38,272.10	9.02
Dist. of Central Java & Yogyakarta	2,040	52,889.40	3.86
- Central Java	1,374	47,178.40	2.91
- D.I. Yogyakarta	666	5,711.00	11.66
Dist. of West Java	3,283	45,421.00	7.23
Dist. of Banten	774	15,578.90	4.97
Dist. of Jakarta Raya	1,394	16,500.40	8.45
PT Indonesia Power	-	-	-
PT Java Bali Genco	-	-	-
Distribution and Load Control Center (P2B)	-	-	-
J a v a	10,942	168,661.80	6.49
I n d o n e s i a	40,875	393,375.09	10.39

Table 19 : Electrification Ratio and Energy Consumption per Capita**2018**

PLN Operational Unit/ Province	Population (x1,000)	Residential (x1,000)	Residential Customers	Electrification *) (%)	kWh Sold/Capita
Region of Aceh	5,279.8	1,252.2	1,250,058	99.83	490.1
Region of North Sumatera	14,557.5	3,399.3	3,405,433	100.00	717.5
Region of West Sumatera	5,445.6	1,292.7	1,259,691	97.45	642.0
Region of Riau	7,593.1	2,211.0	1,943,727	87.91	682.6
- Riau	6,776.1	1,626.8	1,448,980	89.07	646.0
- Riau Archipelago	817.0	584.2	494,747	84.69	986.0
Region South Sumatera, Jambi & Bengkulu	13,951.0	3,430.4	3,076,843	89.69	543.1
- South Sumatera	8,444.2	2,053.8	2,125,692	100.00	645.5
- Jambi	3,546.6	882.6	458,187	51.91	343.7
- Bengkulu	1,960.2	494.0	492,964	99.79	462.9
Region of Bangka Belitung	1,441.6	367.2	411,675	100.00	739.7
Distribution of Lampung	8,417.6	2,134.2	1,977,367	92.65	505.7
Region of West Kalimantan	5,015.4	1,166.3	1,014,499	86.98	473.1
Region of S & C Kalimantan	6,820.4	1,807.9	1,607,378	88.91	561.0
- South Kalimantan	4,189.3	1,125.5	1,086,302	96.52	621.2
- Central Kalimantan	2,631.2	682.4	521,076	76.36	465.1
Region of East Kalimantan & North	4,285.8	1,049.5	1,018,253	97.02	848.7
Region of N, C Sulawesi & Gorontalo	6,677.5	1,621.8	1,455,556	89.75	490.8
- North Sulawesi	2,484.2	635.2	618,013	97.29	675.0
- Gorontalo	1,171.2	275.1	246,994	89.80	429.9
- Central Sulawesi	3,022.0	711.5	590,549	83.00	363.1
Region of S, SE & W Sulawesi	12,777.0	2,911.7	2,745,784	94.30	526.7
- South Sulawesi	8,783.7	2,015.0	2,004,207	99.46	623.0
- Southeast Sulawesi	2,643.6	595.2	505,123	84.87	344.9
- West Sulawesi	1,349.7	301.5	236,454	78.42	255.8
Region of Maluku & North Maluku	2,986.2	618.5	534,187	86.37	334.5
- Maluku	1,759.0	365.0	313,023	85.75	339.6
- North Maluku	1,227.2	253.5	221,164	87.25	327.2
Region of Papua	4,276.0	982.4	550,097	55.99	347.5
- Papua	3,323.6	772.2	328,157	42.50	275.9
- West Papua	952.4	210.3	221,940	100.00	597.4
Distribution of Bali	4,335.6	1,149.6	1,144,679	99.57	1,223.1
Region of West Nusa Tenggara	5,114.9	1,420.2	1,284,314	90.43	347.4
Region of East Nusa Tenggara	5,398.6	1,168.8	658,439	56.34	171.8
Outside Java	114,373.3	27,983.9	25,337,980	90.54	587.0
Dist. of East Java	39,633.3	10,941.6	10,384,442	94.91	903.7
Dist. of Central Java & Yogyakarta	38,298.8	10,396.7	10,373,031	99.77	689.7
- Central Java	34,455.4	9,241.0	9,276,486	100.00	683.7
- D.I. Yogyakarta	3,843.4	1,155.6	1,096,545	94.89	743.4
Dist. of West Java	48,748.7	12,933.5	13,041,471	100.00	1,011.5
Dist. of Banten	12,622.2	3,091.7	2,893,899	93.60	1,835.0
Dist. of Jakarta Raya	10,466.0	2,734.8	4,040,310	100.00	3,132.0
Java	149,769.0	40,098.3	40,733,153	100.00	1,118.3
Indonesia	264,142.3	68,082.2	66,071,133	97.05	888.2

*) Excluded non PLN Customer

Table 20 : Number of Generating Units *)

2018

PLN Operational Unit/ Province	Hydro	Steam	Gas Turbine	Com- bined Cycle	Geo- thermal	Diesel**)	Solar	Wind	Total	Rental	IPP	Total
Region of Aceh	4	-	-	-	-	210	-	-	214	6	7	227
Region of North Sumatera	-	-	-	-	-	42	-	-	42	4	17	63
Region of West Sumatera	3	-	-	-	-	104	2	-	109	-	8	117
Region of Riau	-	2	-	-	-	534	3	-	539	33	18	590
- Riau	-	-	-	-	-	278	-	-	278	27	16	321
- Riau Archipelago	-	2	-	-	-	256	3	-	261	6	2	269
Region of South Sumatera, Jambi & Bengkulu	2	-	-	-	-	181	-	-	183	5	24	212
- South Sumatera	-	-	-	-	-	79	-	-	79	-	15	94
- Jambi	-	-	-	-	-	30	-	-	30	1	5	36
- Bengkulu	2	-	-	-	-	72	-	-	74	4	4	82
Region of Bangka Belitung	-	4	-	-	-	105	4	-	113	18	8	139
Distribution of Lampung	-	-	-	-	-	35	-	-	35	-	5	40
Region of West Kalimantan	6	-	-	-	-	248	3	-	257	15	5	277
Region of S & C Kalimantan	-	-	-	-	-	472	-	-	472	26	9	507
- South Kalimantan	-	-	-	-	-	129	-	-	129	3	3	135
- Central Kalimantan	-	-	-	-	-	343	-	-	343	23	6	372
Region of East Kalimantan & North	-	-	-	-	-	313	2	-	315	85	10	410
Region of N, C Sulawesi & Gorontalo	24	2	4	-	4	483	7	1	525	24	18	567
- North Sulawesi	13	2	4	-	4	164	6	1	194	5	1	200
- Gorontalo	2	-	-	-	-	22	1	-	25	-	4	29
- Central Sulawesi	9	-	-	-	-	297	-	-	306	19	13	338
Region of S, SE & W Sulawesi	20	6	11	-	-	346	9	-	392	17	19	428
- South Sulawesi	15	4	5	-	-	103	6	-	133	5	17	155
- Southeast Sulawesi	5	2	6	-	-	235	3	-	251	10	2	263
- West Sulawesi	-	-	-	-	-	8	-	-	8	2	-	10
Region of Maluku & North Maluku	-	2	-	-	-	701	13	-	716	39	1	756
- Maluku	-	2	-	-	-	441	11	-	454	31	1	486
- North Maluku	-	-	-	-	-	260	2	-	262	8	-	270
Region of Papua	16	-	-	-	-	403	19	-	438	40	8	486
- Papua	12	-	-	-	-	230	11	-	253	33	6	292
- West Papua	4	-	-	-	-	173	8	-	185	7	2	194
Distribution of Bali	-	-	-	-	-	8	-	3	11	-	5	16
Region of West Nusa Tenggara	4	2	-	-	-	151	7	-	164	23	9	196
Region of East Nusa Tenggara	14	4	-	-	5	475	9	1	508	26	7	541
PT PLN Batam	-	-	9	3	-	23	-	-	35	5	15	55
Generation of Northern Part of Sumatera	20	12	10	6	-	55	-	-	103	14	-	117
Generation of Southern Part of Sumatera	25	14	14	4	2	27	-	-	86	15	-	101
Sumatera Trans. and Control Center	-	-	-	-	-	-	-	-	-	-	21	21
UIKL Kalimantan	3	12	6	3	-	150	-	-	174	27	17	218
UIKL Sulawesi	26	8	15	-	4	160	-	-	213	6	13	232
Outside Java	167	68	69	16	15	5,226	78	5	5,644	428	244	6,316
Dist. of East Java	4	-	-	-	-	71	-	-	75	10	4	89
Dist. of Central Java & Yogyakarta	3	-	-	-	-	-	-	-	3	-	15	18
- Central Java	2	-	-	-	-	-	-	-	2	-	14	16
- D.I. Yogyakarta	1	-	-	-	-	-	-	-	1	-	1	2
Dist. of West Java	-	-	-	-	-	-	-	-	-	-	20	20
Dist. of Banten	-	-	-	-	-	4	-	-	4	-	3	7
Dist. of Jakarta Raya	-	-	-	-	-	-	-	-	-	-	-	-
PT Indonesia Power	59	10	16	20	7	20	-	-	132	4	-	136
PT Java Bali Genco	33	8	13	20	-	-	-	-	74	-	-	74
PJB Sulawesi	-	-	-	-	-	6	-	-	6	-	-	6
Dist. and Load Control Center (P2B) Java & Bali	-	-	-	-	-	-	-	-	-	-	29	29
Generation of Tanjung Jati B	-	4	-	-	-	-	-	-	4	-	-	4
Generation of Western Part of Java	-	6	-	13	-	-	-	-	19	-	-	19
Generation of Central Part of Java	-	9	-	2	-	-	-	-	11	-	-	11
Generation of Eastern Part of Java, Bali & Nusra	-	5	-	3	-	-	-	-	8	-	-	8
Java	99	42	29	58	7	101	-	-	336	14	71	421
UIP West of Java	-	-	-	-	-	-	-	-	-	-	3	3
UIP East of Java & Bali II	-	-	-	-	-	-	-	-	-	-	1	1
UIP West of Kalimantan	-	-	-	-	-	-	-	-	-	-	4	4
UIP East of Kalimantan	-	-	-	-	-	-	-	-	-	-	1	1
UIP Generation of Sumatera	-	-	-	-	-	-	-	-	-	-	4	4
Generation Project	-	-	-	-	-	-	-	-	-	-	13	13
Indonesia	266	110	98	74	22	5,327	78	5	5,980	442	328	6,750

*) Generation own by PLN, Rental and IPP

**) Total Diesel Including Diesel Gas

Table 21 : National Installed Capacity (MW)

2018

PLN Operational Unit/ Province	Hydro	Steam	Gas Turbined	Combined Cycle	Geo-thermal	Diesel*)	Solar	Wind	Biomass	Total	%	Rental	IPP	Total
Region of Aceh	2,42	-	-	-	-	141,01	-	-	-	143,43	0,34	33,00	25,50	201,93
Region of North Sumatera	-	-	-	-	-	20,58	-	-	-	20,58	0,05	43,00	108,40	171,98
Region of West Sumatera	0,66	-	-	-	-	34,76	0,19	-	-	35,61	0,09	-	28,13	63,74
Region of Riau	-	14,00	-	-	-	288,01	0,80	-	-	302,81	0,73	159,00	68,00	529,81
- Riau	-	-	-	-	-	127,29	-	-	-	127,29	0,31	120,50	67,00	314,79
- Riau Archipelago	-	14,00	-	-	-	160,71	0,80	-	-	175,51	0,42	38,50	1,00	215,01
Region of South Sumatera, Jambi & Bengkulu	1,60	-	-	-	-	71,62	-	-	-	73,22	0,18	23,00	216,95	313,17
- South Sumatera	-	-	-	-	-	19,10	-	-	-	19,10	0,05	-	151,45	170,55
- Jambi	-	-	-	-	-	14,07	-	-	-	14,07	0,03	8,00	44,50	66,57
- Bengkulu	1,60	-	-	-	-	38,46	-	-	-	40,06	0,10	15,00	21,00	76,06
Region of Bangka Belitung	-	93,00	-	-	-	125,87	0,33	-	-	219,20	0,53	44,00	91,00	354,20
Distribution of Lampung	-	-	-	-	-	4,39	-	-	-	4,39	0,01	-	37,00	41,39
Region of West Kalimantan	2,03	-	-	-	-	123,05	0,18	-	-	125,25	0,30	65,00	10,74	200,99
Region of S & C Kalimantan	-	-	-	-	-	162,35	-	-	-	162,35	0,39	48,90	42,60	253,85
- South Kalimantan	-	-	-	-	-	37,34	-	-	-	37,34	0,09	5,10	17,20	59,64
- Central Kalimantan	-	-	-	-	-	125,00	-	-	-	125,00	0,30	43,80	25,40	194,20
Region of East Kalimantan & North	-	-	-	-	-	189,10	0,43	-	-	189,53	0,45	102,83	56,81	349,17
Region of N, C Sulawesi & Gorontalo	15,40	-	-	-	-	225,70	1,02	0,08	0,50	242,70	0,58	64,00	32,75	339,46
- North Sulawesi	5,25	-	-	-	-	54,98	0,98	0,08	-	61,28	0,15	11,00	3,00	75,28
- Gorontalo	1,20	-	-	-	-	27,66	0,05	-	0,50	29,40	0,07	-	7,00	36,40
- Central Sulawesi	8,95	-	-	-	-	143,07	-	-	-	152,02	0,36	53,00	22,75	227,77
Region of S, SE & W Sulawesi	0,50	-	-	-	-	54,09	1,21	-	-	55,80	0,13	13,00	71,00	139,80
- South Sulawesi	-	-	-	-	-	7,51	0,79	-	-	8,30	0,02	3,00	52,00	63,30
- Southeast Sulawesi	0,50	-	-	-	-	43,82	0,42	-	-	44,73	0,11	5,00	19,00	68,73
- West Sulawesi	-	-	-	-	-	2,77	-	-	-	2,77	0,01	5,00	-	7,77
Region of Maluku & North Maluku	-	14,00	-	-	-	307,37	2,41	-	-	323,78	0,78	61,40	60,00	445,18
- Maluku	-	14,00	-	-	-	234,20	1,46	-	-	249,66	0,60	47,40	60,00	357,06
- North Maluku	-	-	-	-	-	73,16	0,95	-	-	74,11	0,18	14,00	-	88,11
Region of Papua	29,59	-	-	-	-	277,95	3,62	-	-	311,16	0,75	122,87	54,60	488,63
- Papua	24,46	-	-	-	-	194,27	1,13	-	-	219,85	0,53	109,07	49,00	377,93
- West Papua	5,13	-	-	-	-	83,69	2,49	-	-	91,30	0,22	13,80	5,60	110,70
Distribution of Bali	-	-	-	-	-	2,96	-	0,30	-	3,26	0,01	-	5,39	8,65
Region of West Nusa Tenggara	2,02	60,00	-	-	-	144,12	0,83	-	-	206,97	0,50	143,00	113,90	463,87
Region of East Nusa Tenggara	5,28	47,00	-	-	12,50	194,29	1,06	0,09	-	260,22	0,62	73,50	97,03	430,75
PT PLN Batam	-	-	24,90	125,00	-	111,63	-	-	-	261,53	0,63	17,16	394,60	673,29
Generation of Northern Part of Sumatera	253,50	1.370,00	302,46	817,88	-	416,94	-	-	-	3.160,78	7,58	619,50	-	3.780,28
Generation of Southern Part of Sumatera	608,42	1.109,00	285,70	160,00	110,00	216,08	-	-	-	2.489,20	5,97	517,33	-	3.006,52
Sumatera Trans, and Control Center	-	-	-	-	-	-	-	-	-	-	-	-	2.298,00	2.298,00
Generation & Transmission of Kalimantan	30,00	634,00	253,40	60,00	-	602,54	-	-	-	1.579,94	3,79	135,70	645,20	2.360,84
Generation & Transmission of Sulawesi	210,17	404,00	281,40	-	80,00	347,83	-	-	-	1.323,39	3,17	129,00	1.456,00	2.908,39
Outside Java	1,161.58	3,745.00	1,147.86	1,162.88	202.50	4,062.24	12.07	0.47	0.50	11,495.09	27.57	2,415.18	5,913.60	19,823.87
Dist. of East Java	18.35	-	-	-	-	32.27	-	-	-	50.62	0.12	10.33	6.33	67.28
Dist. of Central Java & Yogyakarta	0.66	-	-	-	-	-	-	-	-	0.66	-	-	15.42	16.08
- Central Java	0.48	-	-	-	-	-	-	-	-	0.48	-	-	14.82	15.30
- D.I. Yogyakarta	0.18	-	-	-	-	-	-	-	-	0.18	-	-	0.60	0.78
Dist. of West Java	-	-	-	-	-	-	-	-	-	-	-	-	96.34	96.34
Dist. of Banten	-	-	-	-	-	0.74	-	-	-	0.74	-	-	14.00	14.74
Dist. of Jakarta Raya	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PT Indonesia Power	1,119.52	3,700.00	794.36	2,675.73	377.00	220.14	-	-	-	8,886.75	21.31	65.00	-	8,951.75
PT Java Bali Genco	1,282.88	1,800.00	1,191.40	2,747.36	-	-	-	-	-	7,021.64	16.84	-	-	7,021.64
PJB Sulawesi	-	-	-	-	-	68.04	-	-	-	68.04	0.16	-	-	68.04
Distribution and Load Control Center (P2B)	-	-	-	-	-	-	-	-	-	-	-	-	7,589.60	7,589.60
Generation of Tanjung Jati B	-	2,840.00	-	-	-	-	-	-	-	2,840.00	6.81	-	-	2,840.00
Generation of Western Part of Java	-	2,170.00	-	2,834.14	-	-	-	-	-	5,004.14	12.00	-	-	5,004.14
Generation of Central Part of Java	-	3,330.00	-	242.00	-	-	-	-	-	3,572.00	8.57	-	-	3,572.00
Generation of Eastern Part of Java, Bali & Nusa	-	2,480.00	-	-	-	-	-	-	-	2,480.00	5.95	-	-	2,480.00
Java	2,421.41	16,320.00	1,985.76	8,499.23	377.00	321.19	-	-	-	29,924.58	71.77	75.33	7,721.69	37,721.60
UIP East of Java & Bali II	-	-	-	150.00	-	-	-	-	-	150.00	0.36	-	-	150.00
UIP West of Kalimantan	-	82.00	-	-	-	-	-	-	-	82.00	0.20	-	-	82.00
UIP East of Kalimantan	-	7.00	-	-	-	-	-	-	-	7.00	0.02	-	-	7.00
UIP Generation of Sumatera	-	14.00	-	-	-	-	-	-	-	14.00	0.03	-	-	14.00
UIW Papua and West Papua	-	24.00	-	-	-	-	-	-	-	24.00	0.06	-	-	24.00
Generation Project	-	127.00	-	150.00	-	-	-	-	-	277.00	0.66	-	-	277.00
Indonesia	3,582.98	20,192.00	3,133.61	9,812.11	579.50	4,383.42	12.07	0.47	0.50	41,696.67	100.00	2,490.51	13,635.29	57,822.47
%	8.59	48.43	7.52	23.53	1.39	10.51	0.03	-	-	100.00	-	-	-	-

*) Total Diesel Including Diesel Gas

Table 22 : Rated Capacity (MW)

PLN Operational Unit/ Province	Hydro	Steam	Gas Turbine	Combined Cycle	Geo- thermal	Diesel*)	Solar	Wind	Total	(%)	Rental	Purchased	Total
Region of Aceh	1.95	-	-	-	-	103.09	-	-	105.04	0.30	33.00	25.49	163.53
Region of North Sumatera	-	-	-	-	-	10.56	-	-	10.56	0.03	43.00	108.4	161.96
Region of West Sumatera	0.05	-	-	-	-	17.08	0.19	-	17.32	0.05	-	23.27	40.59
Region of Riau	-	12.60	-	-	-	178.60	0.70	-	191.90	0.54	159.00	68.00	418.90
- Riau	-	-	-	-	-	77.99	-	-	77.99	0.22	120.50	67.00	265.49
- Riau Archipelago	-	12.60	-	-	-	100.61	0.70	-	113.91	0.32	38.50	1.00	153.41
Region of South Sumatera, Jambi & Bengkulu	1.60	-	-	-	-	29.61	-	-	31.21	0.09	23.00	216.95	271.16
- South Sumatera	-	-	-	-	-	2.65	-	-	2.65	0.01	-	151.45	154.10
- Jambi	-	-	-	-	-	7.62	-	-	7.62	0.02	8.00	44.50	60.12
- Bengkulu	1.60	-	-	-	-	19.34	-	-	20.94	0.06	15.00	21.00	56.94
Region of Bangka Belitung	-	83.70	-	-	-	75.49	0.25	-	159.43	0.45	44	91.00	294.43
Distribution of Lampung	-	-	-	-	-	0.83	-	-	0.83	-	-	37.00	37.83
Region of West Kalimantan	1.64	-	-	-	-	87.93	0.10	-	89.66	0.25	65.00	9.99	164.65
Region of S & C Kalimantan	-	-	-	-	-	100.21	-	-	100.21	0.28	48.9	39.40	188.51
- South Kalimantan	-	-	-	-	-	25.66	-	-	25.66	0.07	5.10	14.00	44.76
- Central Kalimantan	-	-	-	-	-	74.55	-	-	74.55	0.21	43.8	25.40	143.75
Region of East Kalimantan & North	-	-	-	-	-	126.60	0.23	-	126.83	0.36	82.1	44.06	252.99
Region of N, C Sulawesi & Gorontalo	13.41	-	-	-	-	109.90	0.53	0.08	123.92	0.35	67.40	22.23	213.55
- North Sulawesi	5.05	-	-	-	-	31.72	0.51	-	37.28	0.11	9.76	3.00	50.04
- Gorontalo	1.10	-	-	-	-	15.3	0.02	-	16.42	0.05	-	3.80	20.22
- Central Sulawesi	7.26	-	-	-	-	62.88	-	0.08	70.22	0.20	57.64	15.43	143.29
Region of S, SE & W Sulawesi	0.45	-	-	-	-	33.08	0.88	-	34.41	0.10	13.00	68.50	115.91
- South Sulawesi	-	-	-	-	-	4.85	0.55	-	5.40	0.02	3.00	49.50	57.90
- Southeast Sulawesi	0.45	-	-	-	-	26.97	0.33	-	27.75	0.08	5.00	19.00	51.75
- West Sulawesi	-	-	-	-	-	1.26	-	-	1.26	-	5.00	-	6.26
Region of Maluku & North Maluku	-	14.00	-	-	-	136.51	0.96	-	151.47	0.43	59.40	60.00	270.87
- Maluku	-	14.00	-	-	-	103.27	0.46	-	117.73	0.33	45.40	60.00	223.13
- North Maluku	-	-	-	-	-	33.24	0.50	-	33.74	0.10	14.00	-	47.74
Region of Papua	24.68	-	-	-	-	185.83	1.83	-	212.34	0.60	97.60	59.60	369.54
- Papua	21.38	-	-	-	-	124.36	0.58	-	146.32	0.41	95.60	59.12	301.04
- West Papua	3.30	-	-	-	-	61.47	1.25	-	66.02	0.19	2.00	0.48	68.50
Distribution of Bali	-	-	-	-	-	1.48	-	-	1.48	-	-	3.46	4.94
Region of West Nusa Tenggara	1.78	50.00	-	-	-	93.13	0.82	-	145.73	0.41	143.00	113.90	402.63
Region of East Nusa Tenggara	4.65	25.48	-	-	9.00	88.88	0.71	-	128.72	0.36	75.25	94.40	298.37
PT PLN Batam	-	-	24.30	85.00	-	61.11	-	-	170.41	0.48	9.00	384.60	564.01
Generation of Northern Part of Sumatera	243.60	830.00	157.71	501.00	-	320.03	-	-	2,052.34	5.79	541.60	-	2,593.94
Generation of Southern Part of Sumatera	602.15	878.05	215.33	149.50	103.84	139.38	-	-	2,088.25	5.89	517.33	-	2,605.58
Sumatera Trans, and Control Center	-	-	-	-	-	-	-	-	-	-	-	2,236.01	2,236.01
Generation & Transmission of Kalimantan	28.50	530.50	209.40	54.00	-	376.98	-	-	1,199.38	3.38	135.38	695.40	2,030.16
Generation & Transmission of Sulawesi	199.41	360.00	228.68	-	72.10	201.36	-	-	1,061.55	2.99	129.00	1,396.00	2,586.55
Outside Java	1,123.87	2,784.33	835.42	789.50	184.94	2,477.67	7.20	0.08	8,203.01	23.14	2,285.96	5,797.66	16,286.63
Dist. of East Java	16.30	-	-	-	-	24.3	-	-	40.60	0.11	7.73	6.33	54.66
Dist. of Central Java & Yogyakarta	0.54	-	-	-	-	-	-	-	0.54	-	-	13.04	13.58
- Central Java	0.39	-	-	-	-	-	-	-	0.39	-	-	12.64	13.03
- D.I. Yogyakarta	0.15	-	-	-	-	-	-	-	0.15	-	-	0.40	0.55
Dist. of West Java	-	-	-	-	-	-	-	-	-	-	-	96.34	96.34
Dist. of Banten	-	-	-	-	-	0.69	-	-	0.69	-	-	14.00	14.69
Dist. of Jakarta Raya	-	-	-	-	-	-	-	-	-	-	-	-	-
PT Indonesia Power	1,113.76	3,321.60	622.04	2,361.22	356.6	186.00	-	-	7,961.22	22.46	60.00	-	8,021.22
PT Java Bali Genco	1,216.58	1,564.00	1,148.00	2,449.00	-	-	-	-	6,377.58	17.99	-	-	6,377.58
PJB Sulawesi	-	-	-	-	-	62.20	-	-	62.20	0.18	-	-	62.20
Distribution and Load Control Center (P2B)	-	-	-	-	-	-	-	-	-	-	-	7,530.56	7,530.56
Generation of Tanjung Jati B	-	2,643.80	-	-	-	-	-	-	2,643.80	7.46	-	-	2,643.80
Generation of Western Part of Java	-	1,990.00	-	2,657.80	-	-	-	-	4,647.80	13.11	-	-	4,647.80
Generation of Central Part of Java	-	3,014.00	-	214.00	-	-	-	-	3,228.00	9.11	-	-	3,228.00
Generation of Eastern Part of Java, Bali & Nusra	-	1,821.00	-	466.00	-	-	-	-	2,287.00	6.45	-	-	2,287.00
Java	2,347.18	14,354.40	1,770.04	8,148.02	356.60	273.19	-	-	27,249.43	76.86	67.73	7,660.27	34,977.43
UIP West of Java	-	-	-	-	-	-	-	-	-	-	-	-	-
UIP East of Java & Bali II	-	-	-	-	-	-	-	-	-	-	-	-	-
UIP West of Kalimantan	-	-	-	-	-	-	-	-	-	-	-	71.60	71.60
UIP East of Kalimantan	-	-	-	-	-	-	-	-	-	-	-	7.00	7.00
UIP Generation of Sumatera	-	-	-	-	-	-	-	-	-	-	-	-	-
Generation Project	-	-	-	-	-	-	-	-	-	-	-	78.60	78.60
Indonesia	3,471.05	17,138.73	2,605.46	8,937.52	541.54	2,750.86	7.20	0.08	35,452.44	100.00	2,353.69	13,536.53	51,342.66
%	9.79	48.34	7.35	25.21	1.53	7.76	0.02	-	100.00	-	-	-	-

*) Total Diesel Including Diesel Gas

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

PLN Operational Unit/ Province	Own Generated								
	Hydro	Steam	Gas Turbined	Combined Cycle	Geother- mal	Diesel*)	Diesel Gas	Solar	Wind
Region of Aceh	7.67	-	-	-	-	165.43	-	-	-
Region of North Sumatera	-	-	-	-	-	10.02	-	-	-
Region of West Sumatera	0.27	-	-	-	-	16.80	-	-	-
Region of Riau	-	63.47	-	-	-	395.29	-	0.27	-
- Riau	-	-	-	-	-	185.03	-	-	-
- Riau Archipelago	-	63.47	-	-	-	210.25	-	0.27	-
Region of South Sumatera, Jambi & Bengkulu	0.72	-	-	-	-	12.49	-	-	-
- South Sumatera	-	-	-	-	-	0.92	-	-	-
- Jambi	-	-	-	-	-	0.06	-	-	-
- Bengkulu	0.72	-	-	-	-	11.51	-	-	-
Region of Bangka Belitung	-	451.13	-	-	-	245.27	-	0.01	-
Distribution of Lampung	-	-	-	-	-	0.30	-	-	-
Region of West Kalimantan	1.74	39.64	0.75	-	-	193.70	-	0.03	-
Region of S & C Kalimantan	36.16	539.12	0.25	-	-	395.99	-	-	-
- South Kalimantan	36.16	539.12	0.25	-	-	274.00	-	-	-
- Central Kalimantan	-	-	-	-	-	121.98	-	-	-
Region of East Kalimantan & North	-	148.27	22.04	7.09	-	371.04	-	0.04	-
Region of N, C Sulawesi & Gorontalo	90.40	27.50	36.65	-	92.15	168.78	-	0.12	-
- North Sulawesi	71.29	27.50	36.65	-	92.15	69.16	-	0.08	-
- Gorontalo	1.20	-	-	-	-	19.41	-	0.04	-
- Central Sulawesi	17.91	-	-	-	-	80.21	-	-	-
Region of S, SE & W Sulawesi	290.34	299.60	64.36	-	-	170.28	-	0.34	-
- South Sulawesi	287.65	264.88	4.26	-	-	37.85	-	0.31	-
- Southeast Sulawesi	2.69	34.73	60.10	-	-	131.55	-	0.04	-
- West Sulawesi	-	-	-	-	-	0.88	-	-	-
Region of Maluku & North Maluku	-	87.80	-	-	-	350.58	-	0.58	-
- Maluku	-	87.80	-	-	-	260.55	-	0.10	-
- North Maluku	-	-	-	-	-	90.03	-	0.49	-
Region of Papua	75.44	-	-	-	-	475.34	-	1.40	-
- Papua	71.29	-	-	-	-	361.42	-	0.30	-
- West Papua	4.15	-	-	-	-	113.92	-	1.11	-
Distribution of Bali	-	-	-	-	-	0.34	-	-	-
Region of West Nusa Tenggara	5.96	267.95	-	-	-	343.04	-	0.90	-
Region of East Nusa Tenggara	10.95	139.99	-	-	44.26	87.10	-	0.52	-
PT PLN Batam	-	-	120.35	385.32	-	4.43	-	-	-
Generation of Northern Part of Sumatera	1,138.26	3,360.72	125.65	3,592.90	-	1,538.54	-	-	-
Generation of Southern Part of Sumatera	2,675.56	4,619.53	277.94	805.67	689.11	430.98	-	-	-
Sumatera Trans. and Control Center	-	-	-	-	-	-	-	-	-
Generation & Transmission of Kalimantan	72.40	2,132.68	135.83	38.13	-	1,029.76	-	-	-
Generation & Transmission of Sulawesi	682.57	1,305.57	309.20	-	318.01	290.97	-	-	-
Outside Java	5,088.45	13,482.98	1,093.02	4,829.11	1,143.53	6,696.47	-	4.21	-
Dist. of East Java	47.78	-	-	-	-	19.73	-	-	-
Dist. of Central Java & Yogyakarta	-	-	-	-	-	-	-	-	-
- Central Java	-	-	-	-	-	-	-	-	-
- D.I. Yogyakarta	-	-	-	-	-	-	-	-	-
Dist. Jawa Barat	-	-	-	-	-	-	-	-	-
Dist. Banten	-	-	-	-	-	0.69	-	-	-
Dist. Jakarta Raya	-	-	-	-	-	-	-	-	-
PT Indonesia Power	3,284.31	24,887.66	672.78	9,321.18	2,869.27	838.54	-	-	-
PT Java Bali Genco	2,308.14	10,049.80	1,444.52	12,026.46	-	18.40	-	-	-
Distribution and Load Control Center (P2B)	-	-	-	-	-	-	-	-	-
Generation of Tanjung Jati B	-	20,824.21	-	-	-	-	-	-	-
Generation of Western Part of Java	-	13,282.65	-	11,314.99	-	-	-	-	-
Generation of Central Part of Java	-	20,642.54	-	1,055.09	-	-	-	-	-
Generation of Eastern Part of Java, Bali & Nusa	-	10,732.16	-	215.18	-	-	-	-	-
Java	5,640.23	100,419.03	2,117.30	33,932.90	2,869.27	877.36	-	-	-
UIP West of Java	-	-	-	-	-	-	-	-	-
UIP East of Java & Bali II	-	-	-	-	-	-	-	-	-
UIP West of Kalimantan	-	-	-	-	-	-	-	-	-
UIP East of Kalimantan	-	-	-	-	-	-	-	-	-
UIP Generation of Sumatera	-	-	-	-	-	-	-	-	-
UIP NUSRA	-	-	-	-	-	-	-	-	-
Generation Projects	-	-	-	-	-	-	-	-	-
Indonesia	10,728.68	113,902.01	3,210.32	38,762.01	4,012.81	7,573.83	-	4.21	-

*) Including production of diesel power plant in Sulawesi

Rented Generated						Sub Total	Purchased and Project	Total	(%)
Diesel	Diesel Gas	Combined Cycle	Steam	Hydro	Solar				
238.70	-	-	-	-	-	411.80	117.05	528.85	0.20
50.85	88.75	-	-	-	-	149.62	727.95	877.56	0.33
-	-	-	-	-	-	17.07	97.48	114.55	0.04
678.00	15.53	-	138.57	-	-	1,291.12	147.46	1,438.58	0.54
611.84	15.53	-	-	-	-	812.41	141.97	954.38	0.36
66.16	-	-	138.57	-	-	478.72	5.49	484.20	0.18
104.73	2.80	-	-	-	-	120.74	929.65	1,050.39	0.39
-	-	-	-	-	-	0.92	733.17	734.09	0.27
34.02	2.80	-	-	-	-	36.88	71.78	108.66	0.04
70.71	-	-	-	-	-	82.94	124.69	207.64	0.08
266.63	-	-	-	-	-	963.04	227.16	1,190.20	0.45
-	-	-	-	-	-	0.30	111.37	111.68	0.04
517.03	-	-	-	-	-	752.88	377.82	1,130.70	0.42
319.63	-	-	-	-	-	1,291.16	359.36	1,650.52	0.62
85.75	-	-	-	-	-	935.29	220.37	1,155.66	0.43
233.88	-	-	-	-	-	355.86	138.99	494.86	0.19
211.81	179.46	-	-	-	0.35	940.11	659.78	1,599.89	0.60
352.99	-	-	70.23	-	-	838.83	610.29	1,449.12	0.54
55.68	-	-	46.78	-	-	399.31	17.25	416.56	0.16
-	-	-	-	-	-	20.65	31.64	52.29	0.02
297.31	-	-	23.44	-	-	418.87	561.39	980.27	0.37
113.58	-	95.56	4.62	-	-	1,038.68	1,098.71	2,137.39	0.80
7.55	-	95.56	-	-	-	698.05	999.49	1,697.54	0.64
75.69	-	-	4.62	-	-	309.41	99.22	408.64	0.15
30.34	-	-	-	-	-	31.22	-	31.22	0.01
355.31	-	-	-	-	-	794.28	362.23	1,156.50	0.43
268.43	-	-	-	-	-	616.88	362.23	979.10	0.37
86.88	-	-	-	-	-	177.40	-	177.40	0.07
679.33	-	-	-	-	-	1,231.51	496.28	1,727.79	0.65
643.35	-	-	-	-	-	683.94	319.74	1,003.68	0.38
35.98	-	-	-	-	-	547.57	176.54	847.91	0.32
-	-	-	-	-	-	0.34	11.73	12.07	-
852.96	-	-	-	-	-	1,470.81	521.79	1,992.60	0.75
348.53	-	-	-	-	-	631.36	404.99	1,036.35	0.39
-	26.79	-	-	-	-	536.89	2,175.15	2,712.05	1.02
1,511.64	658.86	-	-	-	-	11,926.57	-	11,926.57	4.47
335.69	1,174.68	-	-	-	-	11,009.15	-	11,009.15	4.12
-	-	-	-	-	-	-	12,339.04	12,339.04	4.62
500.25	-	-	-	-	-	3,909.05	3,000.44	6,909.49	2.59
66.62	-	159.24	286.64	-	-	3,418.82	4,395.68	7,814.50	2.93
7,504.27	2,146.89	254.80	500.05	-	0.35	42,744.14	29,171.40	71,915.54	26.93
29.43	-	-	-	-	-	96.93	14.93	111.86	0.04
-	-	-	-	-	-	-	48.84	48.84	0.02
-	-	-	-	-	-	-	47.16	47.16	0.02
-	-	-	-	-	-	-	1.68	1.68	-
-	-	-	-	-	-	-	255.51	255.51	0.10
-	-	-	-	-	-	0.69	47.16	47.86	0.02
68.80	-	-	-	-	-	41,942.54	-	41,942.54	15.70
-	-	-	-	-	-	25,847.33	-	25,847.33	9.68
-	-	-	-	-	-	-	48,352.00	48,352.00	18.10
-	-	-	-	-	-	20,824.21	-	20,824.21	7.80
-	-	-	-	-	-	24,597.65	-	24,597.65	9.21
-	-	-	-	-	-	21,697.63	-	21,697.63	8.12
-	-	-	-	-	-	10,947.34	-	10,947.34	4.10
98.23	-	-	-	-	-	145,954.32	48,718.43	194,672.75	72.89
-	-	-	-	-	-	-	227.33	227.33	0.09
-	-	-	-	-	-	-	154.84	154.84	0.06
-	-	-	-	-	-	-	73.09	73.09	0.03
-	-	-	-	-	-	-	22.66	22.66	0.01
-	-	-	-	-	-	-	10.61	10.61	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	497.09	497.09	0.19
7,602.51	2,146.89	254.80	500.05	-	0.35	188,698.46	78,386.92	267,085.38	100.00

Table 24 : Consumption of Fuel

2018

PLN Operational Unit/ Province	Oil (kilo litre)				Coal (ton)	Natural Gas (MMSCF)
	HSD	IDO	MFO	Others *)		
Region of Aceh	83,219.94	-	-	27,005.17	-	-
Region of North Sumatera	44,644.22	-	-	3,434.06	-	-
Region of West Sumatera	5,074.88	-	-	337.26	-	-
Region of Riau	184,300.62	-	-	53,248.91	257,676.12	2,441.44
- Riau	123,743.31	-	-	37,335.23	-	2,441.44
- Riau Archipelago	60,557.31	-	-	15,913.69	257,676.12	-
Region of South Sumatera, Jambi & Bengkulu	19,645.78	-	-	2,937.58	-	387.58
- South Sumatera	-	-	-	-	-	-
- Jambi	307.70	-	-	74.42	-	387.58
- Bengkulu	19,338.08	-	-	2,863.15	-	-
Region of Bangka Belitung	172,564.00	-	-	25,093.45	429,959.50	-
Distribution of Lampung	81.44	-	-	20.36	-	-
Region of West Kalimantan	146,684.76	-	40,477.49	9,052.55	46,981.02	46,981.02
Region of S & C Kalimantan	110,136.15	-	-	37,483.74	424,321.05	424,321.05
- South Kalimantan	39,515.49	-	-	7,217.74	424,321.05	424,321.05
- Central Kalimantan	70,620.66	-	-	30,265.99	-	-
Region of East Kalimantan & North	117,502.77	-	17,203.59	21,530.44	98,625.17	98,625.17
Region of N, C Sulawesi & Gorontalo	134,548.45	-	-	28,801.90	54,013.46	54,013.46
- North Sulawesi	37,715.01	-	-	9,410.50	54,013.46	54,013.46
- Gorontalo	4,031.41	-	-	1,007.85	-	-
- Central Sulawesi	92,802.04	-	-	18,383.55	-	-
Region of S, SE & W Sulawesi	86,341.86	-	1,839.87	7,388.39	243,964.24	243,964.24
- South Sulawesi	13,114.56	-	820.81	1,151.11	206,238.57	206,238.57
- Southeast Sulawesi	67,201.18	-	1,019.06	3,654.65	37,725.66	37,725.66
- West Sulawesi	6,026.12	-	-	2,582.62	-	-
Region of Maluku & North Maluku	177,605.80	-	72,481.83	18,846.70	85,650.05	85,650.05
- Maluku	119,751.37	-	72,481.83	11,127.95	85,650.05	85,650.05
- North Maluku	57,854.43	-	-	7,718.75	-	-
Region of Papua	287,527.74	-	-	45,331.64	37,322.30	37,322.30
- Papua	62,299.70	-	-	13,514.17	-	-
- West Papua	225,228.05	-	-	31,817.47	37,322.30	37,322.30
Distribution of Bali	88.76	-	-	-	-	-
Region of West Nusa Tenggara	198,276.47	-	139,882.07	8,231.45	229,175.10	229,175.10
Region of East Nusa Tenggara	110,373.10	-	58,902.61	8,280.39	131,285.25	131,285.25
PT PLN Batam	135.89	-	1,080.42	10.00	484.06	484.06
Generation of Northern Part of Sumatera	59,772.38	-	168,256.19	2,174.53	2,476,133.95	2,476,133.95
Generation of Southern Part of Sumatera	17,525.93	28.43	-	3,663.27	2,867,142.18	2,867,142.18
Sumatera Trans. and Control Center	-	-	-	-	-	-
Generation of Kalimantan	201,312.74	-	125,153.63	12,377.78	1,667,681.13	1,667,681.13
Generation of Sulawesi	163,540.59	-	174,066.87	8,544.07	1,193,515.88	1,193,515.88
Outside Java	2,320,904.26	28.43	799,344.57	323,793.65	3,444,070.91	10,243,930.46
Dist. of East Java	12,478.80	-	-	1,534.98	14,013.78	-
Dist. of Central Java & Yogyakarta	-	-	-	-	-	-
- Central Java	-	-	-	-	-	-
- D.I. Yogyakarta	-	-	-	-	-	-
Dist. of West Java	-	-	-	-	-	-
Dist. of Banten	219.45	-	-	-	219.45	-
Dist. of Jakarta Raya	-	-	-	-	-	-
PT Indonesia Power	201,965.28	-	28,050.12	145.31	230,160.70	12,695,811.21
PT Java Bali Genco **)	218,962.99	-	119,120.93	-	338,083.92	3,217,980.64
Distribution and Load Control Center (P2B)	-	-	-	-	-	-
Generation of Tanjung Jati B	3,683.89	-	-	-	3,683.89	8,497,182.80
Generation of Western Part of Java	4,980.30	-	-	1,455.19	6,435.49	7,692,999.13
Generation of Central Part of Java	5,507.19	-	-	1,358.32	6,865.51	11,746,555.62
Generation of Eastern Part of Java & Bali	5,105.58	-	-	-	5,105.58	6,267,038.12
Java	452,903.49	-	147,171.04	4,493.80	604,568.33	50,117,567.51
UIP West of Java	-	-	-	-	-	1,271.08
UIP East of Java & Bali II	-	-	-	-	-	625.50
UIP West of Kalimantan	-	-	-	-	-	97,360.45
UIP East of Kalimantan	5,856.78	-	-	-	5,856.78	5,988.17
UIP Generation of Sumatera	-	-	-	-	-	7,355.61
UIP NUSRA	1,296.65	-	-	-	1,296.65	5,689.10
UIP South of Sulawesi	11.60	-	-	-	11.60	3,353.24
Generation Projects	7,165.03	-	-	-	7,165.03	119,746.57
Indonesia	2,780,972.78	28.43	946,515.62	328,287.45	4,055,804.28	60,481,244.55

*) Olein bio diesel and etc.

**) Including diesel power plant consumption of fuel in Sulawesi

Table 25 : Unit Price of Fuel

2018

PLN Operational Unit/Province	Oil (Rp/litre)*				Coal(Rp/kg)	Natural Gas (Rp/MMSCF)	Geo-thermal (Rp/kWh)
	HSD *)	IDO	MFO	Average			
Region of Aceh	11,479.09	-	-	11,479.09	-	-	-
Region of North Sumatera	9,882.11	-	-	9,882.11	-	-	-
Region of West Sumatera	9,959.67	-	-	9,959.67	-	-	-
Region of Riau	2,485.67	-	-	8,210.09	711.80	96,740.35	-
- Riau	-	-	-	-	-	-	-
- Riau Archipelago	-	-	-	-	-	-	-
Region of South Sumatera, Jambi & Bengkulu	10,235.94	-	-	8,904.48	-	126,211.73	-
- South Sumatera	-	-	-	-	-	-	-
- Jambi	-	-	-	-	-	-	-
- Bengkulu	-	-	-	-	-	-	-
Region of Bangka Belitung	9,894.69	-	-	8,639.05	716.11	-	-
Distribution of Lampung	11,419.01	-	-	9,135.21	-	-	-
Region of West Kalimantan	9,264.03	-	-	9,264.03	-	-	-
Region of S & C Kalimantan	10,180.07	-	-	7,595.14	-	-	-
- South Kalimantan	-	-	-	-	-	-	-
- Central Kalimantan	-	-	-	-	-	-	-
Region of East Kalimantan & North	8,904.70	-	-	6,697.06	-	71,861.65	-
Region of N, C Sulawesi & Gorontalo	9,706.56	-	-	7,995.45	-	-	-
- North Sulawesi	-	-	-	-	-	-	-
- Gorontalo	-	-	-	-	-	-	-
- Central Sulawesi	-	-	-	-	-	-	-
Region of S, SE & W Sulawesi	4,417.20	-	-	3,991.19	-	-	-
- South Sulawesi	-	-	-	-	-	-	-
- Southeast Sulawesi	-	-	-	-	-	-	-
- West Sulawesi	-	-	-	-	-	-	-
Region of Maluku & North Maluku	12,913.41	-	-	8,528.09	944.33	-	-
- Maluku	-	-	-	-	-	-	-
- North Maluku	-	-	-	-	-	-	-
Region of Papua	10,294.04	-	-	8,892.11	-	-	-
- Papua	-	-	-	-	-	-	-
- West Papua	-	-	-	-	-	-	-
Distribution of Bali	9,942.30	-	-	9,942.30	-	-	-
Region of West Nusa Tenggara	8,966.30	-	7,081.42	7,992.06	816.25	-	-
Region of East Nusa Tenggara	13,572.85	-	-	8,437.63	831.49	-	-
PT PLN Batam	6,498.08	-	5,809.86	5,838.74	-	54,360.14	-
Generation of Northern Part of Sumatera	7,524.78	-	6,576.19	6,788.66	804.49	141,690.99	-
Generation of Southern Part of Sumatera	9,116.78	8,422.00	-	8,804.03	754.52	105,982.86	703.29
Sumatera Trans. and Control Center	-	-	-	-	-	-	-
Generation & Transmission of Kalimantan	10,984.86	-	6,755.22	9,021.50	811.05	114,613.86	-
Generation & Transmission of Sulawesi	12,472.23	-	-	6,005.16	754.24	-	1,141.89
Outside Java	9,660.05	8,422.00	3,726.25	7,820.36	751.79	113,189.45	846.85
Dist. of East Java	10,520.93	-	-	9,368.53	-	-	-
Dist. of Central Java & Yogyakarta	-	-	-	-	-	-	-
- Central Java	-	-	-	-	-	-	-
- D.I. Yogyakarta	-	-	-	-	-	-	-
Dist. of West Java	-	-	-	-	-	-	-
Dist. of Banten	9,626.93	-	-	9,626.93	-	-	-
Dist. of Jakarta Raya	-	-	-	-	-	-	-
PT Indonesia Power	8,220.25	-	4,892.75	7,950.06	847.54	124,335.00	839.51
PT Java Bali Genco	8,241.24	-	6,706.35	7,785.73	743.00	113,961.99	-
Generation of Tanjung Jati B	8,113.18	-	-	8,113.18	954.92	-	-
Generation of Western Part of Java	-	-	-	-	-	-	-
Generation of Central Part of Java	-	-	-	-	-	-	-
Generation of Eastern Part of Java & Bali	-	-	-	-	-	-	-
Java	8,419.91	-	6,360.68	8,025.77	1,125.68	121,879.42	839.51
Indonesia **)	9,419.48	8,422.00	4,125.75	7,421.62	767.08	119,115.94	841.42

*) 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)

2018

PLN Operational Unit/Province	Oil (Kilo litre)					Coal	Natural Gas	Total
	HSD	IDO	MFO	Other Fuel Mix *)	Total			
Region of Aceh	314.63	-	-	89.49	404.12	-	-	404.12
Region of North Sumatera	137.81	-	-	11.81	149.62	-	-	149.62
Region of West Sumatera	15.86	-	-	0.94	16.80	-	-	16.80
Region of Riau	687.56	-	-	175.29	862.85	202.04	225.97	1,290.86
- Riau	464.41	-	-	122.03	586.44	-	225.97	812.41
- Riau Archipelago	223.15	-	-	53.26	276.41	202.04	-	478.45
Region of South Sumatera, Jambi & Bengkulu	72.46	-	-	10.74	83.20	-	36.82	120.02
- South Sumatera	0.73	-	-	0.19	0.92	-	-	0.92
- Jambi	0.06	-	-	-	0.06	-	36.82	36.88
- Bengkulu	71.68	-	-	10.54	82.22	-	-	82.22
Region of Bangka Belitung	427.41	-	-	84.49	511.90	451.13	-	963.04
Distribution of Lampung	0.25	-	-	0.05	0.30	-	-	0.30
Region of West Kalimantan	515.68	-	164.98	30.81	711.48	39.64	-	751.12
Region of S & C Kalimantan	405.65	-	-	120.79	526.44	539.12	189.44	1,254.99
- South Kalimantan	146.32	-	-	24.25	170.57	539.12	189.44	899.13
- Central Kalimantan	259.32	-	-	96.54	355.86	-	-	355.86
Region of East Kalimantan & North	422.06	-	29.84	70.47	522.38	148.07	269.27	939.72
Region of N, C Sulawesi & Gorontalo	487.95	-	-	93.92	581.87	74.28	-	656.16
- North Sulawesi	131.16	-	-	30.33	161.49	74.28	-	235.78
- Gorontalo	15.90	-	-	3.51	19.41	-	-	19.41
- Central Sulawesi	340.89	-	-	60.07	400.97	-	-	400.97
Region of S, SE & W Sulawesi	322.34	-	7.10	23.40	352.84	299.60	95.56	748.00
- South Sulawesi	43.13	-	3.13	3.39	49.66	264.88	95.56	410.10
- Southeast Sulawesi	256.45	-	3.97	11.54	271.96	34.73	-	306.69
- West Sulawesi	22.75	-	-	8.47	31.22	-	-	31.22
Region of Maluku & North Maluku	646.84	-	-	59.06	705.89	87.80	-	793.69
- Maluku	438.16	-	-	34.83	472.99	87.80	-	560.79
- North Maluku	208.67	-	-	24.23	232.90	-	-	232.90
Region of Papua	983.45	-	-	171.22	1,154.67	-	-	1,154.67
- Papua	868.81	-	-	135.95	1,004.77	-	-	1,004.77
- West Papua	114.64	-	-	35.27	149.90	-	-	149.90
Distribution of Bali	0.34	-	-	-	0.34	-	-	0.34
Region of West Nusa Tenggara	598.49	-	569.59	27.91	1,196.00	267.95	-	1,463.95
Region of East Nusa Tenggara	406.16	-	-	29.47	435.63	139.99	-	575.62
PT PLN Batam	0.49	-	3.91	0.03	4.43	-	532.46	536.89
Generation of Northern Part of Sumatera	121.22	-	712.05	5.62	838.89	3,360.72	6,588.70	10,788.31
Generation of Southern Part of Sumatera	26.15	0.10	-	8.94	35.19	4,619.53	2,989.77	7,644.48
Sumatera Trans. and Control Center	-	-	-	-	-	-	-	-
Generation & Transmission of Kalimantan	636.11	-	331.54	37.59	1,005.23	2,132.68	698.73	3,836.65
Generation & Transmission of Sulawesi	627.62	-	11.00	28.17	666.79	1,592.21	159.24	2,418.25
O u t s i d e J a v a	7,856.53	0.10	1,830,000	1,080.23	10,766.86	13,954.78	11,785.96	36,507.60
Dist. of East Java	43.84	-	-	5.31	49.15	-	-	49.15
Dist. of Central Java & Yogyakarta	-	-	-	-	-	-	-	-
- Central Java	-	-	-	-	-	-	-	-
- D.I. Yogyakarta	-	-	-	-	-	-	-	-
Dist. of West Java	-	-	-	-	-	-	-	-
Dist. of Banten	0.69	-	-	-	0.69	-	-	0.69
Dist. of Jakarta Raya	-	-	-	-	-	-	-	-
PT Indonesia Power	634.46	-	122.10	0.43	756.99	24,776.14	10,255.83	35,788.96
PT Java Bali Genco	693.59	-	473.62	-	1,167.21	5,846.95	16,525.03	23,539.18
Distribution and Load Control Center (P2B)	-	-	-	-	-	-	-	-
Generation of Tanjung Jati B	-	-	-	-	-	20,824.21	-	20,824.21
Generation of Western Part of Java	-	-	-	-	-	13,282.65	11,314.99	24,597.65
Generation of Central Part of Java	7.11	-	-	-	7.11	20,635.43	1,055.09	21,697.63
Generation of Eastern Part of Java & Bali	17.33	-	-	-	17.33	10,714.83	215.18	10,947.34
J a v a	1,397.02	-	595.72	5.74	1,998.48	96,080.21	39,366.12	137,444.82
UIP West of Java	-	-	-	-	-	-	227.33	227.33
UIP East of Java & Bali II	-	-	-	-	-	-	154.84	154.84
UIP West of Kalimantan	-	-	-	-	-	73.09	-	73.09
UIP East of Kalimantan	20.80	-	-	-	20.80	1.86	-	22.66
UIP Generation of Sumatera	-	-	-	-	-	10.61	-	10.61
UIP NUSRA	4.78	-	-	-	4.78	3.77	-	8.56
Generation Projects	25.58	-	-	-	25.58	89.33	382.17	497.09
I n d o n e s i a	9,279.14	0.10	2,425.72	1,085.97	12,790.93	110,124.32	51,534.25	174,449.50

Table 27 : Captive Power**2018**

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	
Region of Aceh	-	-	-	-	-	-	-
Region of North Sumatera	171	-	171	146,565	-	146,565	-
Region of West Sumatera	29	308	337	46,683	118,787	165,470	31,550
Region of Riau	-	-	-	-	-	-	-
- Riau	-	-	-	-	-	-	-
- Riau Archipelago	-	-	-	-	-	-	-
Region of South Sumatera, Jambi & Bengkulu	35	79	114	30,283	19,835	50,118	13,151
- South Sumatera	-	-	-	-	-	-	-
- Jambi	3	-	3	7,353	-	7,353	4,343
- Bengkulu	32	79	111	22,930	19,835	42,765	8,808
Region of Bangka Belitung	302	330	632	54,575	86,998	141,573	45,842
Distribution of Lampung	1	8	9	10,000	46,900	56,900	21,593
Region of West Kalimantan	2	77	79	6,685	37,787	44,472	26,662
Region of S & C Kalimantan	17	-	17	26,800	-	26,800	26,800
- South Kalimantan	11	-	11	19,250	-	19,250	19,250
- Central Kalimantan	6	-	6	7,550	-	7,550	7,550
Region of East Kalimantan & North	-	-	-	-	-	-	-
Region of N, C Sulawesi & Gorontalo	41	43	84	28,437	11,381	39,818	4,593
- North Sulawesi	17	28	45	4,509	6,378	10,887	3,733
- Gorontalo	19	3	22	23,743	1,665	25,408	-
- Central Sulawesi	5	12	17	185	3,338	3,523	860
Region of S, SE & W Sulawesi	531	545	1,076	484,037	84,445	568,482	84,386
- South Sulawesi	367	367	734	481,098	68,942	550,040	71,493
- Southeast Sulawesi	101	101	202	892	13,334	14,226	11,467
- West Sulawesi	63	77	140	2,047	2,169	4,216	1,426
Region of Maluku & North Maluku	72	118	190	12,665	9,296	21,961	-
- Maluku	-	-	-	-	-	-	-
- North Maluku	72	118	190	12,665	9,296	21,961	-
Region of Papua	-	193	193	-	20,797	20,797	33,693
- Papua	-	162	162	-	20,222	20,222	23,265
- West Papua	-	31	31	-	575	575	10,428
Distribution of Bali	-	-	-	-	-	-	-
Region of West Nusa Tenggara	-	-	-	-	22,607	22,607	-
Region of East Nusa Tenggara	35	96	131	11,418	10,718	22,136	12,743
PT PLN Batam	1	9	10	3,400	82,300	85,700	33,716
Outside Java	1,237	1,806	3,043	861,548	551,851	1,413,399	334,729
Dist. of East Java	254	981	1,235	439,870	780,679	1,220,549	534,810
Dist. of Central Java & Yogyakarta	-	-	-	-	-	-	-
- Central Java	-	-	-	-	-	-	-
- D.I. Yogyakarta	-	-	-	-	-	-	-
Dist. of West Java	15	512	527	318,495	16,604,200	16,922,695	-
Dist. of Banten	5	175	180	297,235	785,531	1,082,766	1,082,770
Dist. of Jakarta Raya	-	1,086	1,086	-	1,991,570	1,991,570	2,053,930
Java	274	2,754	3,028	1,055,600	20,161,980	21,217,580	3,671,510
Indonesia	1,511	4,560	6,071	1,917,148	20,713,831	22,630,979	4,006,239

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

Table 28 : Length of Transmission Lines (kmc)

2018

PLN Operational Unit/Province	Voltage					Total
	25 - 30 kV	70 kV	150 kV	275 kV	500 kV	
Region of Aceh	-	-	-	-	-	-
Region of North Sumatera	-	-	-	-	-	-
Region of West Sumatera	-	-	-	-	-	-
Region of Riau	-	-	179.08	-	-	179.08
- Riau	-	-	-	-	-	-
- Riau Archipelago	-	-	179.08	-	-	179.08
Region of South Sumatera, Jambi & Bengkulu	-	-	-	-	-	-
- South Sumatera	-	-	-	-	-	-
- Jambi	-	-	-	-	-	-
- Bengkulu	-	-	-	-	-	-
Region of Bangka Belitung	-	-	439.89	-	-	439.89
Distribution of Lampung	-	-	-	-	-	-
Region of West Kalimantan	-	-	1,193.06	162.75	-	1,355.81
Region of S & C Kalimantan	-	123.08	2,874.88	-	-	2,997.97
- South Kalimantan	-	123.08	1,467.90	-	-	1,590.99
- Central Kalimantan	-	-	1,406.98	-	-	1,406.98
Region of East Kalimantan & North	-	-	1,288.83	-	-	1,288.83
Region of N, C Sulawesi & Gorontalo	0.76	450.62	1,588.86	-	-	2,040.24
- North Sulawesi	0.76	306.82	832.09	-	-	1,139.66
- Gorontalo	-	-	326.70	-	-	326.70
- Central Sulawesi	-	143.80	430.08	-	-	573.88
Region of S, SE & W Sulawesi	3.40	145.30	3,406.99	3.41	-	3,559.11
- South Sulawesi	3.40	119.90	2,669.16	3.41	-	2,795.87
- Southeast Sulawesi	-	25.40	149.80	-	-	175.20
- West Sulawesi	-	-	588.03	-	-	588.03
Region of Maluku & North Maluku	-	50.58	-	-	-	50.58
- Maluku	-	50.58	-	-	-	50.58
- North Maluku	-	-	-	-	-	-
Region of Papua	-	239.64	23.40	-	-	263.04
- Papua	-	239.64	-	-	-	239.64
- West Papua	-	-	23.40	-	-	23.40
Distribution of Bali	-	-	-	-	-	-
Region of West Nusa Tenggara	-	138.67	405.02	-	-	543.69
Region of East Nusa Tenggara	-	578.24	197.82	-	-	776.06
PT PLN Batam	-	-	216.52	-	-	216.52
Generation of Northern Part of Sumatera	-	-	-	-	-	-
Generation of Southern Part of Sumatera	-	-	-	-	-	-
Sumatera Trans. and Control Center	-	531.21	12,482.30	3,146.31	-	16,159.82
Outside Java	4.16	2,257.34	24,296.65	3,312.47	-	29,870.62
Dist. of East Java	-	-	-	-	-	-
Dist. of Central Java & Yogyakarta	-	-	-	-	-	-
- Central Java	-	-	-	-	-	-
- D.I. Yogyakarta	-	-	-	-	-	-
Dist. of West Java	-	-	-	-	-	-
Dist. of Banten	-	-	-	-	-	-
Dist. of Jakarta Raya	-	-	-	-	-	-
PT Indonesia Power	-	-	-	-	-	-
PT Java Bali Genco	-	-	-	-	-	-
Transmission of Western Part of Java	-	237.39	2,098.24	-	991.37	3,327.00
Transmission of Central Part of Java	40.64	1,491.04	7,604.06	-	2,883.24	12,018.99
Transmission of Eastern Part of Java & Bali	56.15	1,356.21	5,305.54	-	1,343.76	8,061.67
Java	96.79	3,084.64	15,007.85	-	5,218.38	23,407.66
Indonesia	100.95	5,341.98	39,304.50	3,312.47	5,218.38	53,278.27

Table 29 : Length of Medium and Low Voltage Lines (kmc)**2018**

PLN Operational Unit/Province	Medium Voltage			Low Voltage
	6 - 7 kV	10 - 12 kV	15-20 kV	
Region of Aceh	-	-	15,578.23	16,076.64
Region of North Sumatera	-	-	27,989.58	30,159.55
Region of West Sumatera	-	-	11,773.94	16,386.93
Region of Riau	-	-	14,524.40	27,661.04
- Riau	-	-	12,280.62	25,450.56
- Riau Archipelago	-	-	2,243.79	2,210.48
Region of South Sumatera, Jambi & Bengkulu	-	-	24,946.26	22,531.46
- South Sumatera	-	-	12,567.48	10,392.11
- Jambi	-	-	7,687.14	5,957.87
- Bengkulu	-	-	4,691.64	6,181.48
Region of Bangka Belitung	-	-	4,822.32	5,107.92
Distribution of Lampung	-	-	13,541.96	17,136.43
Region of West Kalimantan	-	-	11,691.90	13,931.33
Region of S & C Kalimantan	-	-	14,881.08	14,603.88
- South Kalimantan	-	-	8,838.25	10,182.01
- Central Kalimantan	-	-	6,042.83	4,421.88
Region of East Kalimantan & North	-	-	7,859.47	7,968.42
Region of N, C Sulawesi & Gorontalo	-	-	14,507.93	13,090.40
- North Sulawesi	-	-	5,325.19	5,192.77
- Gorontalo	-	-	2,224.86	1,790.90
- Central Sulawesi	-	-	6,957.88	6,106.73
Region of S, SE & W Sulawesi	-	-	23,047.25	24,059.19
- South Sulawesi	-	-	15,006.35	16,869.71
- Southeast Sulawesi	-	-	5,312.28	5,152.60
- West Sulawesi	-	-	2,728.62	2,036.88
Region of Maluku & North Maluku	-	-	7,185.39	4,411.20
- Maluku	-	-	4,131.41	2,310.96
- North Maluku	-	-	3,053.98	2,100.24
Region of Papua	-	-	5,734.85	9,387.76
- Papua	-	-	2,531.42	6,921.01
- West Papua	-	-	2,203.43	2,466.75
Distribution of Bali	-	-	7,779.59	12,461.25
Region of West Nusa Tenggara	-	-	6,003.70	6,838.55
Region of East Nusa Tenggara	-	-	7,722.26	7,833.63
PT PLN Batam	-	-	1,652.74	2,851.38
Generation of Northern Part of Sumatera	-	-	-	-
Generation of Southern Part of Sumatera	-	-	-	-
Sumatera Trans. and Control Center	-	-	-	-
Outside Java	-	-	221,242.86	252,496.98
Dist. of East Java	-	-	38,272.06	75,350.77
Dist. of Central Java & Yogyakarta	-	-	52,879.02	53,923.30
- Central Java	-	-	47,168.02	48,198.90
- D.I. Yogyakarta	-	-	5,711.00	5,724.39
Dist. of West Java	-	-	45,421.08	121,832.87
Dist. of Banten	-	-	14,638.53	24,694.64
Dist. of Jakarta Raya	-	-	16,500.44	36,206.96
PT Indonesia Power	-	-	-	-
PT Java Bali Genco	-	-	-	-
Transmission of Western Part of Java	-	-	-	-
Transmission of Central Part of Java	-	-	-	-
Transmission of Eastern Part of Java & Bali	-	-	-	-
Java	-	-	167,711.13	312,008.53
Indonesia	-	-	388,953.99	564,505.52

Table 30 : Number and Total Capacity of Substation Transformers

2018

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
Region of Aceh	-	-	-	-	-	-	-	-	-	-	-	-
Region of North Sumatera	-	-	-	-	-	-	-	-	-	-	-	-
Region of West Sumatera	-	-	-	-	-	-	-	-	-	-	-	-
Region of Riau	-	-	-	-	8	230	-	-	-	-	8	230
- Riau	-	-	-	-	-	-	-	-	-	-	-	-
- Riau Archipelago	-	-	-	-	8	230	-	-	-	-	8	230
Region of South Sumatera, Jambi & Bengkulu	-	-	-	-	-	-	-	-	-	-	-	-
- South Sumatera	-	-	-	-	-	-	-	-	-	-	-	-
- Jambi	-	-	-	-	-	-	-	-	-	-	-	-
- Bengkulu	-	-	-	-	-	-	-	-	-	-	-	-
Region of Bangka Belitung	-	-	-	-	8	390	4	120	-	-	12	510
Distribution of Lampung	-	-	-	-	-	-	-	-	-	-	-	-
Region of West Kalimantan	-	-	2	498	25	1,005	-	-	-	-	27	1,503
Region of S & C Kalimantan	-	-	-	-	48	1,692	14	148	-	-	62	1,840
- South Kalimantan	-	-	-	-	30	1,122	14	148	-	-	44	1,270.00
- Central Kalimantan	-	-	-	-	18	570	-	-	-	-	18	570.00
Region of East Kalimantan & North	-	-	-	-	49	2,000	-	-	-	-	49	2,000
Region of N, C Sulawesi & Gorontalo	-	-	-	-	31	1,170	27	530	-	-	58	1,700
- North Sulawesi	-	-	-	-	19	690	22	410	-	-	41	1,100
- Gorontalo	-	-	-	-	5	230	-	-	-	-	5	230
- Central Sulawesi	-	-	-	-	7	250	5	120	-	-	12	370
Region of S, SE & W Sulawesi	-	-	1	90	81	2,580	18	295	2	30	102	2,995
- South Sulawesi	-	-	1	90	71	2,264	13	200	2	30	87	2,584
- Southeast Sulawesi	-	-	-	-	2	90	5	95	-	-	7	185
- West Sulawesi	-	-	-	-	8	226	-	-	-	-	8	226
Region of Maluku & North Maluku	-	-	-	-	5	240	4	80	-	-	9	320
- Maluku	-	-	-	-	5	240	4	80	-	-	9	320
- North Maluku	-	-	-	-	-	-	-	-	-	-	-	-
Region of Papua	-	-	-	-	4	240	14	196	-	-	18	436
- Papua	-	-	-	-	4	240	14	196	-	-	18	436
- West Papua	-	-	-	-	-	-	-	-	-	-	-	-
Distribution of Bali	-	-	-	-	-	-	-	-	-	-	-	-
Region of West Nusa Tenggara	-	-	-	-	19	700	6	150	-	-	25	850
Region of East Nusa Tenggara	-	-	-	-	2	90	15	315	-	-	17	405
PT PLN Batam	-	-	-	-	20	810	-	-	-	-	20	810
Generation of Northern Part of Sumatera	-	-	-	-	-	-	-	-	-	-	-	-
Generation of Southern Part of Sumatera	-	-	-	-	-	-	-	-	-	-	-	-
Sumatera Trans. and Control Center	-	-	30	8,160	297	13,537	26	685	-	-	353	22,382
Outside Java	-	-	33	8,748	597	24,683	128	2,519	2	30	760	35,981
Dist. of East Java	-	-	-	-	-	-	-	-	-	-	-	-
Dist. of Central Java & Yogyakarta	-	-	-	-	-	-	-	-	-	-	-	-
- Central Java	-	-	-	-	-	-	-	-	-	-	-	-
- D.I. Yogyakarta	-	-	-	-	-	-	-	-	-	-	-	-
Dist. of West Java	-	-	-	-	-	-	-	-	-	-	-	-
Dist. of Banten	-	-	-	-	-	-	-	-	-	-	-	-
Dist. of Jakarta Raya	-	-	-	-	-	-	-	-	-	-	-	-
PT Indonesia Power	-	-	-	-	-	-	-	-	-	-	-	-
PT Java Bali Genco	-	-	-	-	-	-	-	-	-	-	-	-
Transmission of Western Part of Java	31	14,334	-	-	315	18,806	8	220	-	-	354	33,360
Transmission of Central Part of Java	23	11,500	-	-	407	23,989	66	1,603	-	-	496	37,092
Transmission of Eastern Part of Java & Bali	15	7,514	-	-	285	15,899	54	1,318	-	-	354	24,731
Java	69	33,348	-	-	1,007	58,694	128	3,141	-	-	1,204	95,183
Indonesia	69	33,348	33	8,748	1,604	83,377	256	5,660	2	30	1,964	131,164

Table 31 : Number and Total Capacity of Distribution Substation Transformers

2018

PLN Operational Unit/Province	20 kV		12-15 kV		6-7 kV		Total	
	Unit	MVA	Unit	MVA	Unit	MVA	Unit	MVA
Region of Aceh	12,004	911.73	-	-	-	-	12,004	911.73
Region of North Sumatera	30,901	2,803.66	-	-	-	-	30,901	2,803.66
Region of West Sumatera	10,459	1,097.93	-	-	-	-	10,459	1,097.93
Region of Riau	13,522	1,729.28	-	-	-	-	13,522	1,729.28
- Riau	11,362	1,477	-	-	-	-	11,362	1,477.49
- Riau Archipelago	2,160	251.79	-	-	-	-	2,160	251.79
Region of South Sumatera, Jambi & Bengkulu	22,448	2,177.18	-	-	-	-	22,448	2,177.18
- South Sumatera	11,952	1,260.25	-	-	-	-	11,952	1,260.25
- Jambi	6,836	595.12	-	-	-	-	6,836	595.12
- Bengkulu	3,660	321.82	-	-	-	-	3,660	321.82
Region of Bangka Belitung	3,961	368.14	-	-	-	-	3,961	368.14
Distribution of Lampung	12,634	1,516.30	-	-	-	-	12,634	1,516.30
Region of West Kalimantan	9,198	888.69	-	-	-	-	9,198	888.69
Region of S & C Kalimantan	14,980	1,050.17	-	-	-	-	14,980	1,050.17
- South Kalimantan	9,627	657.43	-	-	-	-	9,627	657.43
- Central Kalimantan	5,353	392.75	-	-	-	-	5,353	392.75
Region of East Kalimantan & North	8,837	1,204.71	-	-	-	-	8,837	1,204.71
Region of N, C Sulawesi & Gorontalo	13,391	1,163.85	-	-	-	-	13,391	1,163.85
- North Sulawesi	5,282	505.95	-	-	-	-	5,282	505.95
- Gorontalo	2,352	197.68	-	-	-	-	2,352	197.68
- Central Sulawesi	5,757	460.22	-	-	-	-	5,757	460.22
Region of S, SE & W Sulawesi	24,956	2,217.45	-	-	-	-	24,956	2,217.45
- South Sulawesi	17,801	1,731.30	-	-	-	-	17,801	1,731.30
- Southeast Sulawesi	4,720	344.50	-	-	-	-	4,720	344.50
- West Sulawesi	2,435	141.65	-	-	-	-	2,435	141.65
Region of Maluku & North Maluku	4,501	415.95	-	-	-	-	4,501	415.95
- Maluku	2,669	252.08	-	-	-	-	2,669	252.08
- North Maluku	1,832	163.87	-	-	-	-	1,832	163.87
Region of Papua	4,107	469.50	-	-	-	-	4,107	469.50
- Papua	2,486	287.23	-	-	-	-	2,486	287.23
- West Papua	1,621	182.28	-	-	-	-	1,621	182.28
Distribution of Bali	11,253	1,818.77	-	-	-	-	11,253	1,818.77
Region of West Nusa Tenggara	5,310	667.69	-	-	-	-	5,310	667.69
Region of East Nusa Tenggara	4,585	346.14	-	-	-	-	4,585	346.14
PT PLN Batam	1,069	503.13	-	-	-	-	1,069	503.13
Generation of Northern Part of Sumatera	-	-	-	-	-	-	-	-
Generation of Southern Part of Sumatera	-	-	-	-	-	-	-	-
Sumatera Trans. and Control Center	-	-	-	-	-	-	-	-
Outside Java	208,116	21,350.26	-	-	-	-	208,116.00	21,350.26
Dist. of East Java	63,307	7,870.48	-	-	-	-	63,307	7,870.48
Dist. of Central Java & Yogyakarta	130,330	6,999.06	-	-	-	-	130,330	6,999.06
- Central Java	113,597	6,058.93	-	-	-	-	113,597	6,058.93
- D.I. Yogyakarta	16,733	940.12	-	-	-	-	16,733	940.12
Dist. of West Java	52,892	8,844.67	-	-	-	-	52,892	8,844.67
Dist. of Banten	14,295	3,561.19	-	-	-	-	14,295	3,561.19
Dist. of Jakarta Raya	13,574	7,505.65	-	-	-	-	13,574	7,505.65
PT Indonesia Power	-	-	-	-	-	-	-	-
PT Java Bali Genco	-	-	-	-	-	-	-	-
Transmission of Western Part of Java	-	-	-	-	-	-	-	-
Transmission of Central Part of Java	-	-	-	-	-	-	-	-
Transmission of Eastern Part of Java & Bali	-	-	-	-	-	-	-	-
Java	274,398	34,781.05	-	-	-	-	274,398	34,781.05
Indonesia	482,514	56,131.32	-	-	-	-	482,514	56,131.32

Table 32 : Balance Sheet (million Rp)

2018

Description		Description	December 2018
FIXED ASSETS		EQUITY	925,413,759
- Total Fixed Assets	1,162,049,951	DEFERRED REVENUE	-
- Accumulation Depreciation	(28,056,718)		
Total Fixed Assets (Net)	1,133,993,233	Total Equity & Deferred Revenue	925,413,759
		LONG TERM LIABILITIES	407,343,705
Work in Progress	202,485,000	- Deferred Tax	12,769,052
Other Assets	22,607,119	- Long Term Liabilities	36,105,279
Receivables from Related Parties	1,031,237	- Bond Payable	131,681,821
Long Term Investment	8,738,267	- Other Long Term Liabilities	14,468,336
Deferred Tax Assets	7,578,386	- Electricity Purchase Payable	168,558,991
		- Employee Benefit Obligations	43,760,226
CURRENT ASSETS		CURRENT LIABILITIES	157,596,171
- Cash & Bank	33,294,560		
- Government Subsidy	-		
- Temporary Investment	1,216,886		
- Receivable	23,802,663		
- Inventories	15,506,567		
- Other Current Assets	40,099,717		
Total Current Assets	113,920,393	Total Long Term & Current Liabilities	564,939,876
TOTAL ASSETS	1,490,353,635	TOTAL EQUITY & LIABILITIES	1,490,353,635

Table 33 : Profit and Loss (million Rp)**2018**

Description	December 2018
OPERATION REVENUE	
- Electricity Sales	263,477,551
- Connection Fees	7,309,172
- Others	2,111,019
Total Operation Revenue	272,897,742
OPERATION COST	
- Electricity Purchase and Diesel Rented	88,539,693
- Fuel and Lubricant Oil	137,266,678
- Maintenance	20,737,601
- Personnel	22,950,087
- Depreciation	30,744,712
- Others	7,950,118
Total Operation Cost	308,188,889
PROFIT (LOSS) FROM SUBSIDY	(35,291,147)
- Government Subsidy	48,101,754
- Compensation Income	23,173,464
PROFIT (LOSS) FROM SUBSIDY	35,984,071

Table 34 : Fixed Asset and Depreciation (million Rp)**2018**

Function	Saldo 2018	Accumulated Depreciation	Book Value 2018
- Hydro	93,275,280.78	2,295,919.94	90,979,360.85
- Steam	418,408,924.14	50,465,963.26	367,942,960.88
- Diesel	23,485,791.93	984,853.63	22,500,938.30
- Gas Turbine	92,517,637.09	6,797,689.02	85,719,948.08
- Geothermal	50,648,379.43	4,424,784.88	46,223,594.54
- Combined Cycle	173,349,205.69	1,758,334.61	171,590,871.08
- Solar	462,710.88	13,053.09	449,657.78
- Transmission	200,447,623.53	335,506.65	200,112,116.88
- Data Tele Information	6,252,940.24	2,724,955.82	3,527,984.42
- Distribution and UPD	206,409,566.87	2,216,117.22	204,193,449.65
- T U L	4,017,519.88	69,446.03	3,948,073.86
- T U	39,073,350.72	1,618,476.89	37,454,873.82
TOTAL	1,308,348,931.19	73,705,101.04	1,234,643,830.15

Table 35 : Accounts Receivable (million Rp)**2018**

PLN Operational Unit	Public	Armed Force	Non Armed Force	Local Government	BUMN	Total
Region of Aceh	165,128.52	17,899.77	2,933.99	85,851.15	6,843.37	278,656.80
Region of North Sumatera	1,048,105.59	20,437.30	13,665.24	60,633.32	20,578.98	1,163,420.43
Region of West Sumatera	196,780.26	5,002.02	5,776.20	21,996.73	73,430.07	302,985.28
Region of Riau	435,924.13	12,458.92	5,945.60	129,806.47	8,345.80	592,480.91
Region of South Sumatera, Jambi & Bengkulu	891,812.84	19,246.77	8,784.99	50,579.62	20,328.38	990,752.60
Region of Bangka Belitung	38,599.83	1,058.00	1,175.95	3,107.74	2,698.41	46,639.93
Distribution of Lampung	447,726.20	2,040.53	4,466.53	32,724.84	2,635.11	489,593.20
Region of West Kalimantan	203,808.40	12,066.45	2,720.86	13,109.52	3,419.69	235,124.92
Region of S & C Kalimantan	259,460.16	8,897.37	5,472.17	22,891.64	13,891.73	310,613.07
Region of East Kalimantan & North	269,138.46	17,698.04	5,439.72	27,769.33	12,149.06	332,194.61
Region of N, C Sulawesi & Gorontalo	285,747.68	14,585.57	7,347.71	51,110.74	6,409.83	365,201.53
Region of S, SE & W Sulawesi	694,888.96	25,907.66	11,533.50	40,977.72	24,164.06	797,471.90
Region of Maluku & North Maluku	122,856.41	11,046.34	4,612.99	5,668.77	5,333.36	149,517.86
Region of Papua	122,137.85	21,883.00	4,854.11	9,017.69	5,643.91	163,536.56
Distribution of Bali	429,275.03	5,996.92	5,674.25	13,144.41	5,988.08	460,078.70
Region of West Nusa Tenggara	106,145.60	1,920.57	1,539.95	14,831.76	4,172.11	128,609.98
Region of East Nusa Tenggara	70,466.12	3,854.96	2,589.95	3,965.07	5,015.78	85,891.87
PT PLN Batam	284,816.70	3,010.87	1,535.78	2,374.82	734.95	292,473.11
Outside Java	6,072,818.72	205,011.04	96,069.48	589,561.36	221,782.68	7,185,243.27
Dist. of East Java	2,988,419.00	50,352.00	29,725.41	96,161.61	167,682.38	3,332,340.41
Dist. of Central Java & Yogyakarta	1,974,699.90	30,325.98	33,476.28	83,093.52	21,985.31	2,143,580.98
Dist. of West Java	4,877,706.40	53,424.79	30,736.11	82,552.59	58,484.67	5,102,904.56
Dist. of Banten	3,405,714.76	150,473.69	104,492.04	76,820.50	22,608.93	3,760,109.93
Dist. of Jakarta Raya	2,288,631.73	9,841.77	8,286.48	17,995.15	8,520.36	2,333,275.49
Java	15,535,171.79	294,418.23	206,716.33	356,623.37	279,281.65	16,672,211.37
Subsidiaries without Batam	1,103,557.54	-	-	-	-	1,103,557.54
Central Unit	-	-	-	-	-	-
Auditor Correction	129,818.17	-	-	-	900.87	130,719.04
Indonesia	22,841,366.21	499,429.27	302,785.81	946,184.73	501,965.20	25,091,731.22

Table 36 : Average Collection Rate**2018**

PLN Operational Unit	Sales (million Rp)	Accounts Receivable (million Rp)	Average (day)
Region of Aceh	1,847,898.20	278,656.80	55.04
Region of North Sumatera	9,682,930.21	1,163,420.43	43.86
Region of West Sumatera	3,005,531.26	302,985.28	36.80
Region of Riau	4,384,671.03	592,480.91	49.32
Region of South Sumatera, Jambi & Bengkulu	6,999,817.22	990,752.60	51.66
Region of Bangka Belitung	430,702.23	46,639.93	39.53
Distribution of Lampung	3,605,459.72	489,593.20	49.56
Region of West Kalimantan	1,745,459.94	235,124.92	49.17
Region of S & C Kalimantan	3,034,274.74	310,613.07	37.36
Region of East Kalimantan & North	2,973,692.89	332,194.61	40.77
Region of N, C Sulawesi & Gorontalo	2,517,704.89	365,201.53	52.94
Region of S, SE & W Sulawesi	6,171,410.89	797,471.90	47.17
Region of Maluku & North Maluku	799,188.85	149,517.86	68.29
Region of Papua	1,024,977.25	163,536.56	58.24
Distribution of Bali	4,654,851.09	460,078.70	36.08
Region of West Nusa Tenggara	1,153,379.12	128,609.98	40.70
Region of East Nusa Tenggara	337,635.19	85,891.87	92.85
PT PLN Batam	2,423,659.60	292,473.11	44.05
Outside Java	56,793,244.31	7,185,243.27	46.18
Dist. of East Java	32,402,294.59	3,332,340.41	37.54
Dist. of Central Java & Yogyakarta	22,531,061.89	2,143,580.98	34.73
Dist. of West Java	45,292,549.61	5,102,904.56	41.12
Dist. of Banten	22,689,572.06	3,760,109.93	60.49
Dist. of Jakarta Raya	34,647,774.57	2,333,275.49	24.58
Java	157,563,252.72	16,672,211.37	38.62
Prepaid Electricity	49,610,855.85	1,103,557.54	-
Central Unit	(489,801.50)	-	-
Correction SUD	-	130,719.05	-
Indonesia	263,477,551.39	25,091,731.23	34.76

Table 37 : Generation Cost**2018**

Generation Type	Generation Cost (million Rp)					
	Fuel *)	Maintenance	Depreciation	Other	Personnel	Total
Hydro	330,312.36	568,719.25	2,458,898.65	60,939.69	361,792.20	3,780,662.15
Steam	72,360,302.02	8,732,091.95	11,945,874.09	224,819.87	1,441,853.18	94,704,941.11
Diesel **)	26,207,768.38	1,664,223.46	1,193,856.01	100,440.87	842,209.58	30,008,498.29
Gas Turbine	13,793,528.41	1,196,403.16	3,334,953.21	87,320.77	149,807.23	18,562,012.79
Geothermal	6,594,076.35	1,227,119.98	1,488,558.24	8,572.26	115,713.06	9,434,039.90
Combined Cycle	43,495,552.87	1,218,533.87	5,027,841.81	128,805.66	470,119.69	50,340,853.90
Solar	-	2,185.27	26,838.41	425.23	2,853.65	32,302.56
Total	162,781,540.39	14,609,276.94	25,476,820.43	611,324.36	3,384,348.58	206,863,310.70
Rented ***)						6,546,461.72

*) Including Lubricant

**) Including Diesel Gas

***) Rental cost of diesel power plant and gas

Table 38 : Average Generation Cost per kWh**2018**

Generation Type	Average Generation Cost per kWh (Rp/kWh)					
	Fuel *)	Maintenance	Depreciation	Other	Personnel	Total
Hydro	30.79	53.01	229.19	5.68	33.72	352.39
Steam	635.29	76.66	104.88	1.97	12.66	831.46
Diesel **)	1,726.88	219.73	157.63	13.26	111.20	2,228.71
Gas Turbine	4,296.63	372.67	1,038.82	27.20	46.66	5,781.99
Geothermal	1,643.26	305.80	370.95	2.14	28.84	2,350.98
Combined Cycle	1,122.12	31.44	129.71	3.32	12.13	1,298.72
Solar	-	519.06	6,374.81	101.00	-	7,672.68
Average	913.51	81.99	142.97	3.43	18.99	1,160.89
Rented ***)						623.20

*) Including Lubricant

**) Including Diesel Gas

***) Rental cost of diesel power plant and gas

Table 39 : Financial Ratios**2018**

Indicator	Unit	2018
I. Financial Indicators		
- Cash	%	0.21
- Rentability Ratio	%	1.03
- Solvability Ratio	%	37.91
- Liquidity Ratio	%	72.29
II. Financial Covenant *)		
- CICR	Times	3.81
- Financial Liabilities to Total Assets	%	25.35
- EBITDA Interest Coverage Ratio	Times	3.5
III. Operating Activity (Financial)		
- Fixed Assets Turnover	Times	0.21
- Average Period or Receivable Collection	Day	32.05
- Receivable Turnover	Times	11.39
- Material Turnover	Times	0.98

*) For Calculating Financial Covenant based on Financial Report with excluding the impact of ISAK 8 as stated on Global Bonds and Trustee Local Bond Agreement

Table 40 : Number of Employees by Grade

2018

PLN Operational Unit/Province	Integration (0-3)	Advance (4-6)	Optimazion (7-10)	System (11-14)	Specific (15-18)	Basic (19-26)	Total
Region of Aceh	-	2	16	194	386	436	1,034
Region of North Sumatera	1	1	19	207	560	678	1,466
Region of West Sumatera	-	2	7	111	417	483	1,020
Region of Riau	-	-	13	87	432	519	1,051
Region of South Sumatera, Jambi & Bengkulu	-	3	11	135	476	465	1,090
Region of Bangka Belitung	-	1	6	54	157	191	409
Distribution of Lampung	-	2	10	61	302	283	658
Region of West Kalimantan	1	1	8	107	345	413	875
Region of S & C Kalimantan	-	3	16	162	348	511	1,040
Region of East Kalimantan & North	-	1	10	116	198	479	804
Region of N, C Sulawesi & Gorontalo	-	2	14	154	472	593	1,235
Region of S, SE & W Sulawesi	-	3	18	221	543	694	1,479
Region of Maluku & North Maluku	-	1	8	122	303	599	1,033
Region of Papua	-	2	6	91	369	798	1,266
Distribution of Bali	1	3	11	121	379	276	791
Region of West Nusa Tenggara	-	1	13	78	408	520	1,020
Region of East Nusa Tenggara	-	1	13	83	398	489	984
PT PLN Batam	-	-	-	-	-	-	395
PT PLN Tarakan	-	-	-	-	-	-	57
Generation of Northern Part of Sumatera	-	4	8	114	338	727	1,191
Generation of Southern Part of Sumatera	-	2	9	127	559	686	1,383
Sumatera Trans. and Control Center	-	1	21	130	582	998	1,732
Generation & Transmission of Sulawesi	-	1	11	102	435	708	1,257
Generation & Transmission of Kalimantan	-	2	9	123	404	825	1,363
O u t s i d e J a v a	3	39	257	2,700	8,811	12,371	24,633
Dist. of East Java	1	7	48	323	1,188	917	2,484
Dist. of Central Java & Yogyakarta	-	7	44	227	876	811	1,965
Dist. of West Java	1	7	32	483	979	840	2,342
Dist. of Banten	-	2	12	122	389	314	839
Dist. of Jakarta Raya	1	4	30	371	764	461	1,631
PT Indonesia Power	-	-	-	-	-	-	4,174
PT Java Bali Genco	-	-	-	-	-	-	3,178
Transmission of Western Part of Java	-	1	14	102	398	457	972
Transmission of Central Part of Java	-	1	15	190	589	856	1,651
Transmission of Eastern Part of Java & Bali	-	1	15	105	385	620	1,126
Distribution and Load Control Center	1	3	16	91	246	125	482
Generation of Tanjung Jati B	-	1	10	11	41	6	69
J a v a	4	34	236	2,025	5,855	5,407	20,913
PLN Head Office	37	182	245	527	1,954	175	3,120
PLN Supporting & Service Unit	3	29	107	250	869	412	1,670
PLN Construction Unit	-	26	116	346	1,480	997	2,965
Other Subsidiaries	-	-	-	-	-	-	954
I n d o n e s i a	47	310	961	5,848	18,969	19,362	54,255

Table 41 : Number of Employees by Education**2018**

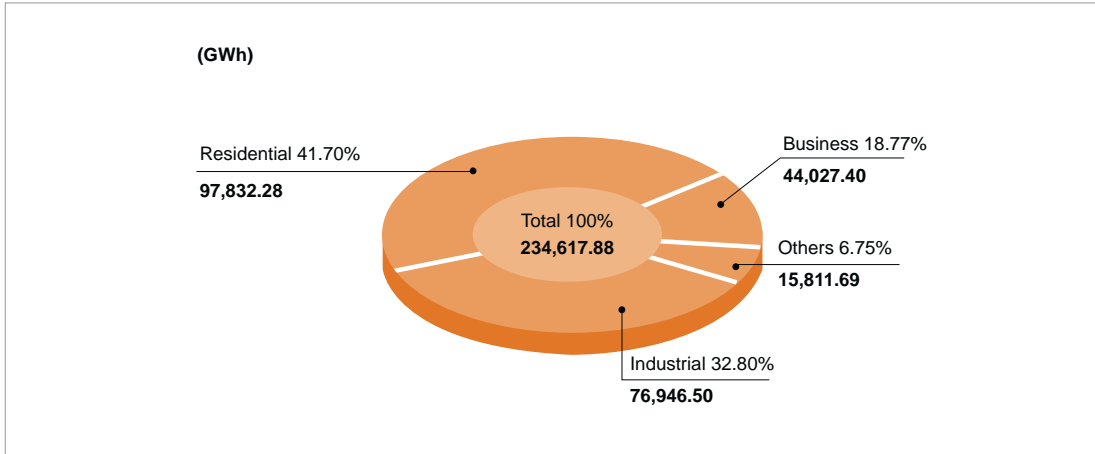
PLN Operational Unit/Province	<= D1-D3	D4-S1	S2	S3	Total
Region of Aceh	792	234	8	-	1,034
Region of North Sumatera	1,040	418	8	-	1,466
Region of West Sumatera	757	248	15	-	1,020
Region of Riau	851	190	10	-	1,051
Region of South Sumatera, Jambi & Bengkulu	743	330	17	-	1,090
Region of Bangka Belitung	287	113	9	-	409
Distribution of Lampung	408	236	14	-	658
Region of West Kalimantan	616	251	8	-	875
Region of S & C Kalimantan	773	252	15	-	1,040
Region of East Kalimantan & North	618	171	15	-	804
Region of N, C Sulawesi & Gorontalo	935	294	6	-	1,235
Region of S, SE & W Sulawesi	1,042	420	17	-	1,479
Region of Maluku & North Maluku	896	134	3	-	1,033
Region of Papua	1,047	209	10	-	1,266
Distribution of Bali	532	245	14	-	791
Region of West Nusa Tenggara	812	197	11	-	1,020
Region of East Nusa Tenggara	804	171	9	-	984
PT PLN Batam	-	-	-	-	395
PT PLN Tarakan	-	-	-	-	57
Generation of Northern Part of Sumatera	868	316	7	-	1,191
Generation of Southern Part of Sumatera	1,090	282	11	-	1,383
Sumatera Trans. and Control Center	1,344	373	15	-	1,732
Generation & Transmission of Sulawesi	916	329	12	-	1,257
Generation & Transmission of Kalimantan	1,114	236	13	-	1,363
Outside Java	18,285	5,649	247	-	24,633
Dist. of East Java	1,648	776	60	-	2,484
Dist. of Central Java & Yogyakarta	1,367	559	39	-	1,965
Dist. of West Java	1,629	685	28	-	2,342
Dist. of Banten	528	294	17	-	839
Dist. of Jakarta Raya	1,135	473	23	-	1,631
PT Indonesia Power	-	-	-	-	4,174
PT Java Bali Genco	-	-	-	-	3,178
Transmission of Western Part of Java	733	222	16	1	972
Transmission of Central Part of Java	1,301	324	26	-	1,651
Transmission of Eastern Part of Java & Bali	850	266	10	-	1,126
Distribution and Load Control Center (P2B)	231	230	21	-	482
Generation of Tanjung Jati B	24	38	7	-	69
J a v a	9,446	3,867	247	1	20,913
PLN Head Office	470	2,235	410	5	3,120
PLN Supporting & Service Unit	697	843	130	-	1,670
PLN Construction Unit	1,338	1,506	119	2	2,965
Other Subsidiaries	-	-	-	-	954
I n d o n e s i a	30,236	14,100	1,153	8	54,255

Table 42 : Productivity of Employee

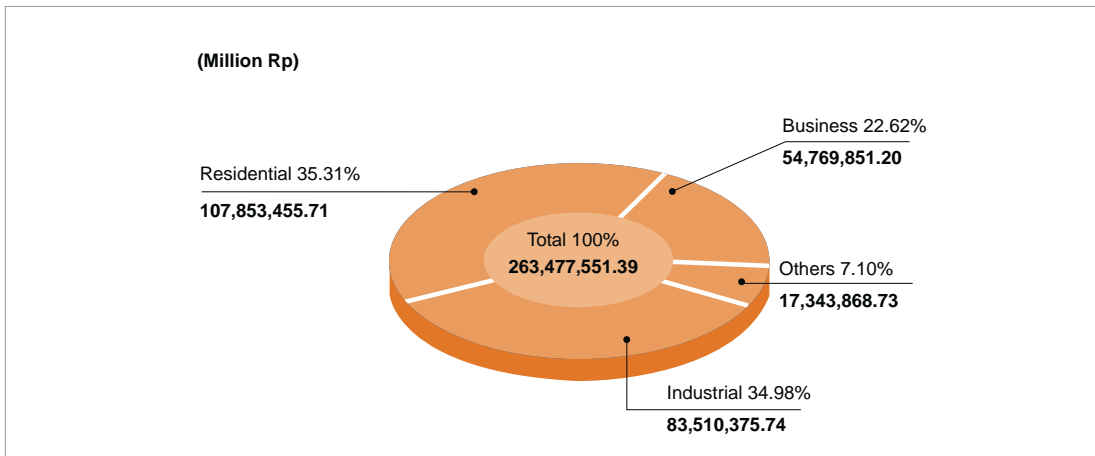
2018

PLN Operational Unit/Province	Customers per Employee	kWh Sold per Employee
Region of Aceh	1,379.5	2,502,623
Region of North Sumatera	2,483.5	7,124,840
Region of West Sumatera	1,402.4	3,427,626
Region of Riau	1,777.3	4,931,306
Region of South Sumatera, Jambi & Bengkulu	3,009.6	6,951,530
Region of Bangka Belitung	1,098.9	2,607,217
Distribution of Lampung	3,171.7	6,469,836
Region of West Kalimantan	1,277.1	2,711,625
Region of S & C Kalimantan	1,717.4	3,679,018
Region of East Kalimantan & North	1,379.7	4,523,968
Region of N, C Sulawesi & Gorontalo	1,264.4	2,653,909
Region of S, SE & W Sulawesi	1,999.4	4,550,041
Region of Maluku & North Maluku	563.9	966,943
Region of Papua	494.7	1,173,761
Distribution of Bali	1,761.0	6,703,749
Region of West Nusa Tenggara	1,327.5	1,741,973
Region of East Nusa Tenggara	725.3	942,495
Generation of Northern Part of Sumatera	-	-
Generation of Southern Part of Sumatera	-	-
Sumatera Trans. and Control Center	-	-
Outside Java	1,132.44	2,685,882
Dist. of East Java	4,617.5	14,419,444
Dist. of Central Java & Yogyakarta	5,704.9	13,442,781
Dist. of West Java	5,976.1	21,055,386
Dist. of Banten	3,745.5	27,606,498
Dist. of Jakarta Raya	2,694.7	20,097,606
PLN Head Office	-	-
PLN Supporting & Service Unit	-	-
PLN Construction Unit	-	-
J a v a	2,074.2	7,857,277
I n d o n e s i a (without Subsidiaries)	1,573.7	5,108,755.3
PT PLN Batam	810.3	5,531,233
PT PLN Tarakan	-	-
PT Indonesia Power	-	-
PT Java Bali Genco	-	-
Other Subsidiaries	-	-
I n d o n e s i a	1,325.5	4,324,355

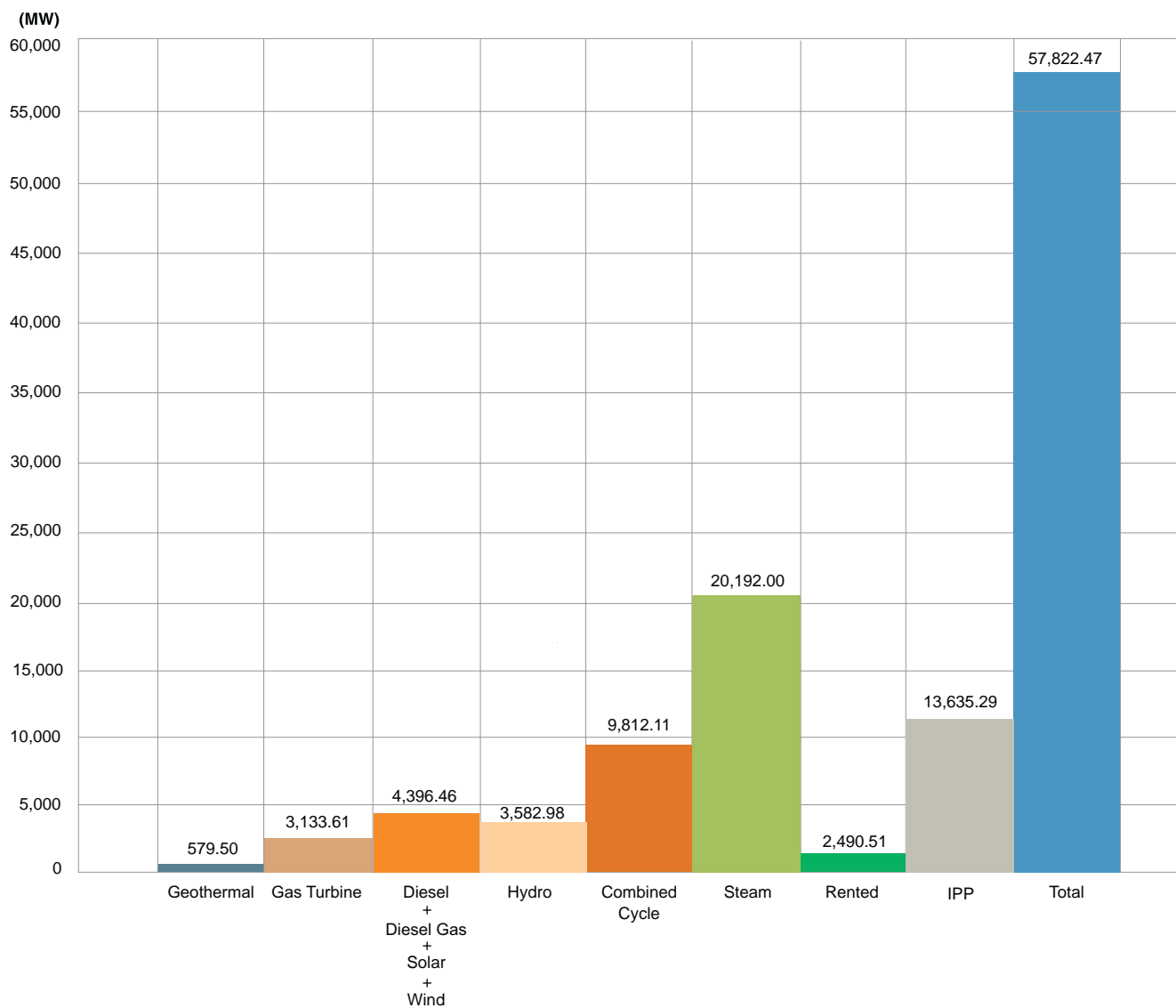
Graph 1. Energy Sold by Type of Customers (2018)



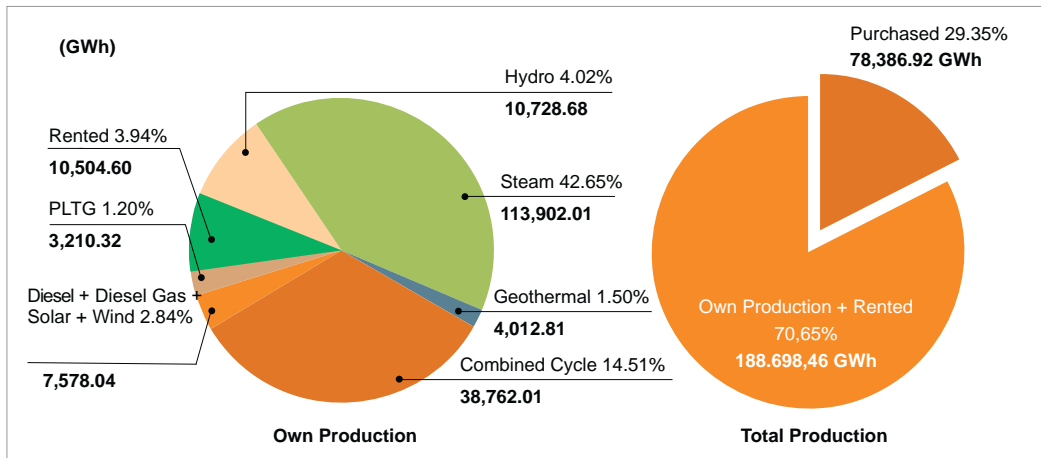
Graph 2. Revenue (2018)



Graph 3. Installed Capacity (2018)



Graph 4. Energy Production (2018)





Data Over Nine Years
2010-2018

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

2010 - 2018

Year	Load Factor	Capacity Factor	Demand Factor
2010	77.78	55.90	29.56
2011	78.53	55.67	28.37
2012	79.18	51.96	27.54
2013	80.04	54.72	26.50
2014	78.26	50.94	26.65
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

Table 44 : Number of Customer by Type of Customers

2010 - 2018

Year	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total	Δ %
2010	39,324,520	48,675	1,912,150	909,312	113,676	127,054	42,435,387	5.78
2011	42,577,542	50,365	2,049,361	963,766	120,246	133,865	45,895,145	8.15
2012	46,219,780	52,661	2,218,342	1,032,830	128,252	143,384	49,795,249	8.50
2013	50,116,127	55,546	2,418,431	1,110,450	137,762	157,892	53,996,208	8.44
2014	53,309,325	58,350	2,626,160	1,181,779	146,321	171,299	57,493,234	6.48
2015	56,605,260	63,314	2,894,990	1,261,516	156,782	186,118	61,167,980	6.39
2016	59,243,672	69,629	3,239,764	1,354,010	169,478	205,940	64,282,493	5.09
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	5.65

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

2010 - 2018

Year	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total	Δ %
2010	33,202.76	15,565.91	13,772.27	2,318.65	1,766.97	812.74	67,439.30	7.23
2011	37,182.63	17,477.84	15,236.22	2,558.54	1,894.82	838.80	75,188.86	11.49
2012	40,869.15	19,980.94	17,228.93	2,892.66	2,060.70	865.37	83,897.75	11.58
2013	45,214.25	21,544.30	19,931.50	3,247.82	2,247.51	909.47	93,094.85	10.96
2014	48,374.47	23,541.96	21,223.71	3,537.17	2,390.43	962.79	100,030.53	7.45
2015	51,654.89	25,024.02	22,477.28	3,861.60	2,560.54	1,003.91	106,582.24	6.55
2016	55,284.57	26,569.81	24,362.29	4,334.48	2,753.50	1,043.00	114,347.65	7.29
2017	59,257.37	27,584.67	26,197.72	4,897.48	2,979.73	1,100.67	122,017.64	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

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

2010 - 2018

Year	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total	Δ %
2010	59,824.94	50,985.20	27,157.22	3,700.09	2,629.93	3,000.09	147,297.47	9.45
2011	65,111.57	54,725.82	28,307.21	3,993.82	2,786.72	3,067.52	157,992.66	7.26
2012	72,132.54	60,175.96	30,988.64	4,495.57	3,057.21	3,140.82	173,990.74	10.13
2013	77,210.71	64,381.40	34,498.38	4,939.04	3,260.71	3,250.78	187,541.02	7.79
2014	84,086.46	65,908.68	36,282.42	5,446.46	3,483.99	3,393.76	198,601.78	5.90
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	93,634.63	68,145.32	40,074.38	6,630.79	4,021.61	3,497.59	216,004.32	8.76
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

Table 47 : Average Energy Sold by Type of Customers (kWh)**2010 - 2018**

Year	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total
2010	1,521	1,047,462	14,202	4,069	23,135	23,613	3,471
2011	1,529	1,086,584	13,813	4,144	23,175	22,915	3,442
2012	1,561	1,142,704	13,969	4,353	23,838	21,905	3,494
2013	1,541	1,159,064	14,265	4,448	23,669	20,589	3,473
2014	1,577	1,129,540	13,816	4,609	23,811	19,812	3,454
2015	1,567	1,012,089	12,773	4,709	23,709	18,526	3,454
2016	1,581	978,692	12,370	4,897	23,729	16,984	3,360
2017	1,510	940,408	11,649	4,858	22,536	15,656	3,278
2018	1,481	872,558	11,739	4,988	22,226	14,549	3,262

Table 48 : Revenue by Type of Customers (million Rp)**2010 - 2018**

Year	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total	Δ %
2010	36,847,221	33,700,937	25,373,604	2,307,981	2,506,399	2,237,390	102,973,531	14.20
2011	40,235,456	38,059,555	26,921,435	2,581,448	2,618,957	2,428,002	112,844,853	9.59
2012	45,563,161	42,719,802	29,910,220	3,045,953	2,961,191	2,521,320	126,721,647	12.30
2013	53,434,178	51,270,326	38,520,052	3,738,259	3,561,415	2,961,376	153,485,606	21.12
2014	63,750,951	64,443,791	45,928,833	4,411,530	4,376,594	3,722,786	186,634,484	21.60
2015	74,228,270	73,225,020	47,485,994	4,826,716	4,923,417	5,155,124	209,844,540	12.44
2016	79,001,584	71,676,300	48,135,789	5,410,427	4,965,551	4,950,171	214,139,821	2.05
2017	99,747,380	78,652,788	51,935,757	5,827,691	5,269,214	5,154,027	246,586,856	15.15
2018	107,853,456	83,510,376	54,769,851	6,405,714	5,636,698	5,301,458	263,477,551	6.85

Data Over Nine Years 2010 - 2018

Table 49 : Average Selling Price of Electricity by Type of Customers (Rp/kWh)

2010 - 2018

Year	Residential	Industrial	Business	Social	Gov. Office Building	Publ. Street Lighting	Total
2010	615.92	660.99	934.32	623.76	953.03	745.77	699.09
2011	617.95	695.46	951.05	646.36	939.80	791.52	714.24
2012	631.66	709.91	965.20	677.54	968.59	802.76	728.32
2013	692.06	796.35	1,116.58	756.88	1,092.22	910.97	818.41
2014	758.16	977.77	1,265.87	809.98	1,256.20	1,096.95	939.74
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

Table 50 : Number of Customers by Type of Voltage

2010 - 2018

Year	Voltage				Total	Δ %
	Low	Medium	High	Multipurpose/ Special Services		
2010	42,395,817	30,763	60	8,747	42,435,387	5.78
2011	45,829,980	65,041	62	62	45,895,145	8.15
2012	49,683,110	112,008	63	68	49,795,249	8.50
2013	53,853,968	142,111	58	71	53,996,208	8.44
2014	57,409,558	83,531	72	73	57,493,234	6.48
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	5.65

Table 51 : Energy Sold by Type of Voltage (GWh)**2010 - 2018**

Year	Voltage				Total	Δ %
	Low	Medium	High	Multipurpose/ Special Services		
2010	85,038.07	49,533.09	11,803.55	922.76	147,297.47	9.45
2011	91,159.20	53,535.71	12,802.62	495.15	157,992.68	7.26
2012	99,673.70	60,279.38	13,872.45	165.29	173,990.82	10.13
2013	106,119.04	67,287.71	13,945.16	189.15	187,541.06	7.79
2014	116,304.24	68,563.26	13,520.18	214.15	198,601.83	5.90
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

Table 52 : Revenue by Type of Voltage (million Rp)**2010 - 2018**

Year	Voltage				Total	Δ %
	Low	Medium	High	Multipurpose/ Special Services		
2010	59,782,422	35,168,268	6,816,951	1,205,890	102,973,531	14.20
2011	64,294,933	40,848,085	7,701,835	-	112,844,853	9.59
2012	71,438,336	44,156,705	8,372,715	2,753,891	126,721,647	12.30
2013	84,313,921	55,756,540	9,345,648	4,069,498	153,485,607	21.12
2014	102,520,584	69,033,065	12,353,013	2,727,823	186,634,484	21.60
2015	117,631,504	77,659,563	13,254,127	1,299,347	209,844,541	12.44
2016	123,459,196	75,683,817	13,954,290	1,042,518	214,139,821	2.05
2017	147,582,478	80,555,694	16,620,063	1,828,621	246,586,856	15.15
2018	158,754,942	84,596,718	18,232,665	1,893,225	263,477,551	6.85

Data Over Nine Years 2010 - 2018

Table 53 : Own Use and Energy Losses

2010 - 2018

Year	Own Use *)		Energy Losses & Own Use					
	(GWh)	(%)	Transmission		Distribution		Total	
			(GWh)	(%)	(GWh)	(%)	(GWh)	(%)
2010	5,641.05	4.24	3,700.11	2.25	12,253.71	7.64	16,260.19	9.89
2011	6,164.52	4.32	3,996.39	2.25	12,675.31	7.34	16,918.14	9.54
2012	6,563.37	4.38	4,732.21	2.44	13,115.05	6.95	18,221.77	9.40
2013	7,222.58	4.40	4,859.53	2.33	15,841.77	7.77	21,248.73	10.17
2014	7,842.25	4.47	5,224.63	2.37	16,198.66	7.52	22,005.98	9.97
2015	8,258.61	4.68	5,248.08	2.33	16,808.81	7.63	22,588.97	10.01
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

*) Own use for power station, substation and distribution transformer

Table 54 : Number of Generating Units *)

2010 - 2018

Year	Hydro	Steam	Gas Turbine	Combined Cycle	Geo-thermal	Diesel	Diesel Gas	Solar	Wind	Total	Δ %
2010	199	55	73	50	11	4,619	8	4	4	5,023	0.18
2011	213	59	71	61	10	4,842	4	8	1	5,269	4.90
2012	216	66	76	66	14	4,576	-	30	4	5,048	(4.19)
2013	220	71	77	66	14	4,422	-	50	4	4,925	(2.44)
2014 **)	224	97	81	65	15	4,471	-	56	6	5,015	1.83
2015 ***)	232	104	72	65	15	4,655	-	58	7	5,208	3.85
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

*) PLN's Power Plant

**) Revised Number of Generating Unit

***) In 2015, there were asset deletion of PLTG in PLN Generation of Northern Sumatera and PLN East Kalimantan

Table 55 : Installed Capacity (MW) *)**2010 - 2018**

Year	Hydro	Steam	Gas Turbine	Combined Cycle	Geo-thermal	Diesel	Diesel Gas	Solar	Wind	Total	Δ %
2010	3,522.57	9,451.50	3,223.68	6,951.32	438.75	3,267.79	38.84	0.19	0.34	26,894.98	4.91
2011	3,511.20	12,052.50	2,839.44	7,833.97	435.00	2,568.54	25.94	1.23	0.34	29,268.16	8.82
2012	3,515.51	14,445.50	2,973.18	8,814.11	548.00	2,598.64	-	6.20	0.34	32,901.48	12.41
2013	3,519.49	15,554.00	2,893.88	8,814.11	568.00	2,847.78	-	7.94	0.43	34,205.63	3.96
2014 **)	3,526.90	18,421.67	3,012.10	8,886.11	573.00	2,798.55	-	8.73	0.49	37,227.55	8.83
2015 **)	3,566.15	19,087.15	2,981.31	8,894.11	550.89	3,175.77	-	8.86	0.99	38,265.23	2.79
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	39,651.79	(0.33)
2018	3,582.98	20,192.00	3,133.61	9,812.11	579.50	4,383.42	-	12.07	0.47	41,696.17	5.16

*) PLN's Power Plant

**) Revised Installed Capacity

***) Decrease in generating capacity due to asset deletion

Table 56 : Rated Capacity (MW) *)**2010 - 2018**

Year	Hydro	Steam	Gas Turbine	Combined Cycle	Geo-thermal	Diesel	Diesel Gas	Solar	Wind	Total	Δ %
2010	3,433.78	8,652.01	2,792.87	6,139.72	415.80	2,071.90	34.60	0.17	-	23,540.85	6.77
2011	3,430.11	10,844.21	2,357.43	6,817.82	434.00	1,555.20	10.00	1.15	-	25,449.92	8.11
2012	3,435.98	12,910.75	2,342.40	7,288.33	506.50	1,597.24	-	4.66	-	28,085.86	10.36
2013	3,220.90	13,563.65	2,543.84	7,300.91	546.50	1,827.73	-	7.24	-	29,010.77	3.29
2014 **)	3,444.07	16,032.57	2,533.82	7,722.33	549.00	1,685.64	-	7.48	0.02	31,974.93	8.76
2015 **)	3,473.17	16,606.74	2,486.42	7,736.23	516.44	1,902.77	-	6.55	0.02	32,728.33	2.36
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

*) PLLN's Power Plant

**) Revised Rated Capacity

Data Over Nine Years 2010 - 2018

Table 57 : Energy Production (GWh)

2010 - 2018

Year	Own Generated											Purchased	Total	Δ %
	Hydro	Steam	Gas Turbine	Combined Cycle	Geo-thermal	Diesel	Diesel Gas	Wind	Solar	Rented	Sub Total			
2010	15,827.35	54,407.02	7,861.70	36,811.70	3,398.02	5,096.98	73.56	0.02	0.50	8,233.21	131,710.07	38,076.16	169,786.23	8.28
2011	10,315.55	62,335.23	8,246.22	40,409.68	3,487.39	4,010.94	47.67	0.72	-	13,885.67	142,739.07	40,681.87	183,420.94	8.03
2012	10,524.61	73,823.06	5,668.01	34,568.51	3,557.54	3,484.45	55.12	2.85	-	18,070.82	149,754.97	50,562.62	200,317.59	9.21
2013	13,009.55	80,926.10	5,916.51	36,423.42	4,345.09	3,212.13	381.75	5.48	-	19,745.72	163,965.75	52,222.79	216,188.54	7.92
2014	11,163.62	89,249.38	5,445.68	38,068.45	4,285.37	3,546.86	1,087.26	-	6.81	22,443.56	175,296.98	53,257.93	228,554.91	5.72
2015	10,004.48	95,815.29	3,442.93	38,705.56	4,391.55	3,032.75	1,232.81	-	5.28	19,841.58	176,472.23	57,509.77	233,982.00	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

Table 58 : Consumption of Fuel

2010 - 2018

Year	Oil (kilo litre)					Coal (ton)	Natural Gas (MSCF)
	HSD*)	IDO	MFO	Other Fuel Mix*)	Total		
2010	6,887,455	6,895	2,430,584	-	9,324,934	23,958,699	283,274
2011	8,943,880	13,923	2,509,047	-	11,466,850	27,434,163	285,722
2012	6,625,335	4,065	1,585,395	-	8,214,795	35,514,791	365,927
2013	6,291,667	3,221	1,179,604	-	7,474,492	39,601,034	409,890
2014	6,330,517	3,849	1,096,638	-	7,431,005	44,604,981	450,190
2015	4,377,056	2,244	904,266	195,297	5,478,863	48,995,169	456,494
2016	3,331,125	915	947,027	387,965	4,667,032	50,556,446	505,125
2017	2,579,123	580	718,462	300,058	3,598,223	54,711,847	447,072
2018	2,780,973	28	946,516	328,287	4,055,804	60,481,245	465,419

*) Including biodiesel, olein, and etc.

Table 59 : Unit Price of Fuel**2010 - 2018**

Year	Oil (Rp/litre *)				Coal (Rp/kg)	Natural Gas (Rp/MSCF)	Geothermal (Rp/kWh)
	HSD	IDO	MFO	Average			
2010	6,050.35	5,870.37	5,150.42	5,815.65	656.71	42,287.16	653.52
2011	8,513.27	8,229.36	7,027.21	8,188.09	698.62	39,867.31	737.04
2012	8,949.35	8,954.18	7,319.67	8,629.80	746.22	63,757.56	693.05
2013	9,446.64	9,149.48	7,604.40	9,127.05	938.56	92,185.45	858.48
2014	10,320.86	10,823.96	7,108.43	9,847.04	1,004.50	105,876.17	1,012.00
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

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

Table 60 : Length of Transmission Lines (kmc)**2010 - 2018**

Year	Voltage					Total	% Growth
	25 - 30 kV	70 kV	150 kV	275 kV	500 kV		
2010 *)	11.20	4,724.28	24,379.76	1,011.39	4,923.00	35,049.63	0.29
2011	11.96	4,456.69	26,170.79	1,028.30	5,052.00	36,719.74	4.76
2012	7.56	4,228.39	27,780.04	1,028.30	5,052.00	38,096.29	3.75
2013	4.16	4,112.36	28,851.27	1,374.30	5,053.00	39,395.09	3.41
2014 *)	4.16	4,125.49	29,352.85	1,374.30	5,053.00	39,909.80	1.31
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

*) Revised data

Data Over Nine Years 2010 - 2018

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

2010 - 2018

Year	Medium Voltage			Total	Low Voltage
	6 - 7 kV	10 - 12 kV	15 - 20 kV		
2010	72.73	-	275,540.58	275,613.31	406,149.04
2011	57.74	242.26	288,419.36	288,719.36	390,704.94
2012	55.38	242.86	312,751.82	313,050.06	428,906.52
2013	54.17	1.75	329,409.29	329,465.21	469,478.92
2014 *)	10.52	44.00	331,184.58	331,239.10	490,944.15
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

*) Revised Data for 2014 and 2015

**) Revised data, double counting on Disjaya

Data Over Nine Years 2014 - 2018

Table 62 : Balance Sheet (million Rp)

2014 - 2018

Description	2018	2017	2016 **)	2015 *)	2014 *)
FIXED ASSET					
- Total Fixed Asset	1,162,049,951.04	1,129,128,795.00	1,086,392,644.58	1,133,420,742	598,974,636
- Accumulated Despreciation	(28,056,718.20)	(69,856,860.00)	(45,898,346.66)	(51,665,214)	(193,064,264)
Total Fixed Asset (Net)	1,133,993,232.84	1,059,271,935	1,040,494,298	1,081,755,528	405,910,372
Work in Progres	202,485,000.20	145,296,494.00	105,035,230	104,984,687	94,901,088
Other Assets	22,607,119.00	19,909,825.00	14,104,322.00	15,754,257.03	11,852,722.51
Long Term Investment	-	-	-	-	-
Inclusion	8,738,266.81	6,878,498.00	3,829,982.00	3,174,698.00	2,572,593.00
Deffered Tax Assets	7,578,386.00	9,566,473.00	9,882,003.00	29,088,271.00	6,688,983.75
Receivables from Related Parties	1,031,237.00	237,181.00	263,064.00	268,647.00	98,829.00
CURRENT ASSETS					
- Cash & Bank	33,294,560.00	42,291,959.00	41,909,223.00	23,596,339.00	27,111,528.00
- Government Subsidy	-	7,588,977.00	12,446,110.00	17,501,009.00	19,280,861.00
- Temporary Investment	1,216,886.00	286,697.00	374,771.00	120,059.00	100,696.00
- Receivable	23,802,663.00	24,139,080.00	24,122,345.00	20,315,908.00	20,361,815.00
- Inventories	15,506,567.00	12,828,118.00	11,569,596.00	11,415,863.00	11,607,860.00
- Other Current Assets	40,099,717.00	6,662,420.00	8,147,032.00	6,395,615.00	6,960,978.00
Total Current Assets	113,920,393.00	93,797,251	98,569,077	79,344,793	85,423,738
TOTAL ASSETS	1,490,353,634.85	1,334,957,657	1,272,177,975	1,314,370,881	607,448,327
EQUITY	925,413,758.50	869,416,604.00	878,399,457	804,790,617	153,303,816
DEFERRED REVENUE	-	-	-	-	-
LONG TERM LIABILITIES					
- Deferred Tax	12,769,052.00	2,066,363.00	59,725.00	5,475.00	3,752,797.00
- Long Term Liabilities	36,105,279.00	31,485,476.00	29,133,755.79	29,205,236.00	26,453,073.00
- Bond Payable	131,681,821.00	100,440,360.00	68,824,683.00	80,043,338.00	81,672,556.00
- Customer Deposit	-	-	-	-	-
- Other Long Term Liabilities	14,468,336.00	15,713,269.00	17,933,075.00	149,621,763.00	128,096,528.00
- Taxes Payable on Revaluation	-	-	-	-	-
- Electricity Purchase Payable	168,558,991.00	133,201,905.00	115,093,812.00	93,187,087.00	85,532,343.00
- Employee Benefit Obligation	43,760,226.00	43,559,022.00	41,110,112.00	37,378,472.00	41,078,935.97
Total Long Term Liabilities	407,343,705.00	326,466,395	272,155,163	389,441,371	366,586,233
SHORT TERM LIABILITIES	157,596,171.00	139,074,658.00	121,623,355	120,138,893	87,558,277
TOTAL EQUITY & LIABILITIES	1,490,353,634.50	1,334,957,657	1,272,177,975	1,314,370,881	607,448,326

Note :

*) Financial Report 2013, 2014 and 2015, used ISAK 8

**) Restate of financial report 2016

Data Over Nine Years 2014 - 2018

Table 63 : Profit and Loss (million Rp)

2014 - 2018

Description	2018	2017	2016 (***)	2015 (**)	2014 *)
OPERATION REVENUE					
- Electricity Sales	263,477,551	246,586,856	214,139,834	209,844,541	186,634,484
- Connection Fees	7,309,172	7,113,454	7,052,136	6,141,335	5,623,913
- Government Subsidiary	48,101,754	45,738,215	58,043,265	56,552,532	99,303,250
- Others	2,111,019	1,594,933	1,629,986	1,361,114	1,159,544
Total Operation Revenue	320,999,496	301,033,458	280,865,222	273,899,522	292,721,191
OPERATION COST					
- Electricity Purchase	88,539,693	79,018,802	66,274,504	12,486,381	53,517,212
- Fuel & Lubricant Oil	137,375,014	116,947,824	109,492,383	138,408,315	153,136,934
- Maintenance	20,737,601	19,515,606	21,226,736	21,861,310	16,611,461
- Personnel	23,323,003	23,124,511	22,659,965	20,321,137	16,645,797
- Depreciation	30,744,712	29,160,597	27,512,150	25,406,856	19,911,211
- Others	7,950,118	7,706,754	7,284,064	7,090,077	5,488,617
Total Operation Cost	308,670,141	275,474,094	254,449,802	225,574,076	265,311,232
PROFIT (LOSS) FROM OPERATION	12,329,355	25,559,364	26,415,419	48,325,446	27,409,959

*) Restate of Financial Statement Using ISAK 27

**) Data ISAK 8

***) Restate of financial report 2016

Table 64 : Fixed Asset & Depreciation (million Rp)

2014 - 2018

Year	Saldo	Accumulated Depreciation	Book Value
2014	598,974,636.42	193,064,264.04	405,910,372.38
2015	1,028,107,313.10	18,579,384.39	1,009,527,928.71
2016	706,313,755.01	33,796,573.46	672,517,181.55
2017	1,274,137,550.65	116,186,481.50	1,157,951,069.15
2018	1,308,348,931.19	73,705,101.04	1,234,643,830.15

Table 65 : Accounts Receivable (million Rp)**2014 - 2018**

Year	Public	Armed Forced	Non Armed Forced	Local Government	BUMN	Total
2014	17,031,942.69	455,731.61	276,433.49	798,016.32	584,801.85	19,146,925.96
2015	17,248,565.63	430,669.90	295,618.58	834,308.66	531,635.60	19,340,798.37
2016	20,475,894.69	603,381.57	287,610.55	833,577.53	568,122.63	22,768,586.97
2017	21,327,841.68	634,603.77	281,082.56	814,316.78	522,093.82	23,579,938.62
2018	22,841,366.21	499,429.27	302,785.81	946,184.73	501,965.20	25,091,731.22

Table 66 : Sales, Accounts Receivable and Average Collection Rate**2014 - 2018**

Year	Sales (Million Rp)	Account Receivable *) (Million Rp)	Average (day)
2014	186,634,484.31	19,146,925.96	37.45
2015	209,844,540.77	19,340,798.37	33.64
2016	214,139,821.41	22,768,586.97	38.81
2017	246,586,855.78	23,579,938.62	34.90
2018	263,477,551.39	25,091,731.23	34.76

*) Including PLN Head Office

Data Over Nine Years 2014 - 2018

Table 67 : Generation Cost (million Rp)

2014 - 2018

Year	Hydro	Steam	Diesel	Gas	Geothermal	Combined Cycle	Solar	Total
2014	2,112,022.86	64,828,004.01	59,041,171.65	15,753,283.85	5,600,458.56	50,849,452.45	-	198,184,393.39
2015	2,112,864.50	51,910,454.98	33,995,897.31	11,383,094.48	3,863,825.85	40,833,899.69	34,976.64	144,135,013.45
2016	3,775,539.87	51,722,240.34	25,488,964.86	12,016,547.88	4,022,888.00	45,473,117.15	34,244.97	142,533,543.07
2017	3,846,135.69	85,229,933.45	24,682,248.24	19,090,127.26	8,110,645.64	41,683,846.07	34,670.37	182,677,606.72
2018	3,780,662.15	94,704,941.11	30,008,498.29	18,562,012.79	9,434,039.90	50,340,853.90	32,302.56	206,863,310.70

Table 68 : Average Generation Cost (Rp/kWh)

2014 - 2018

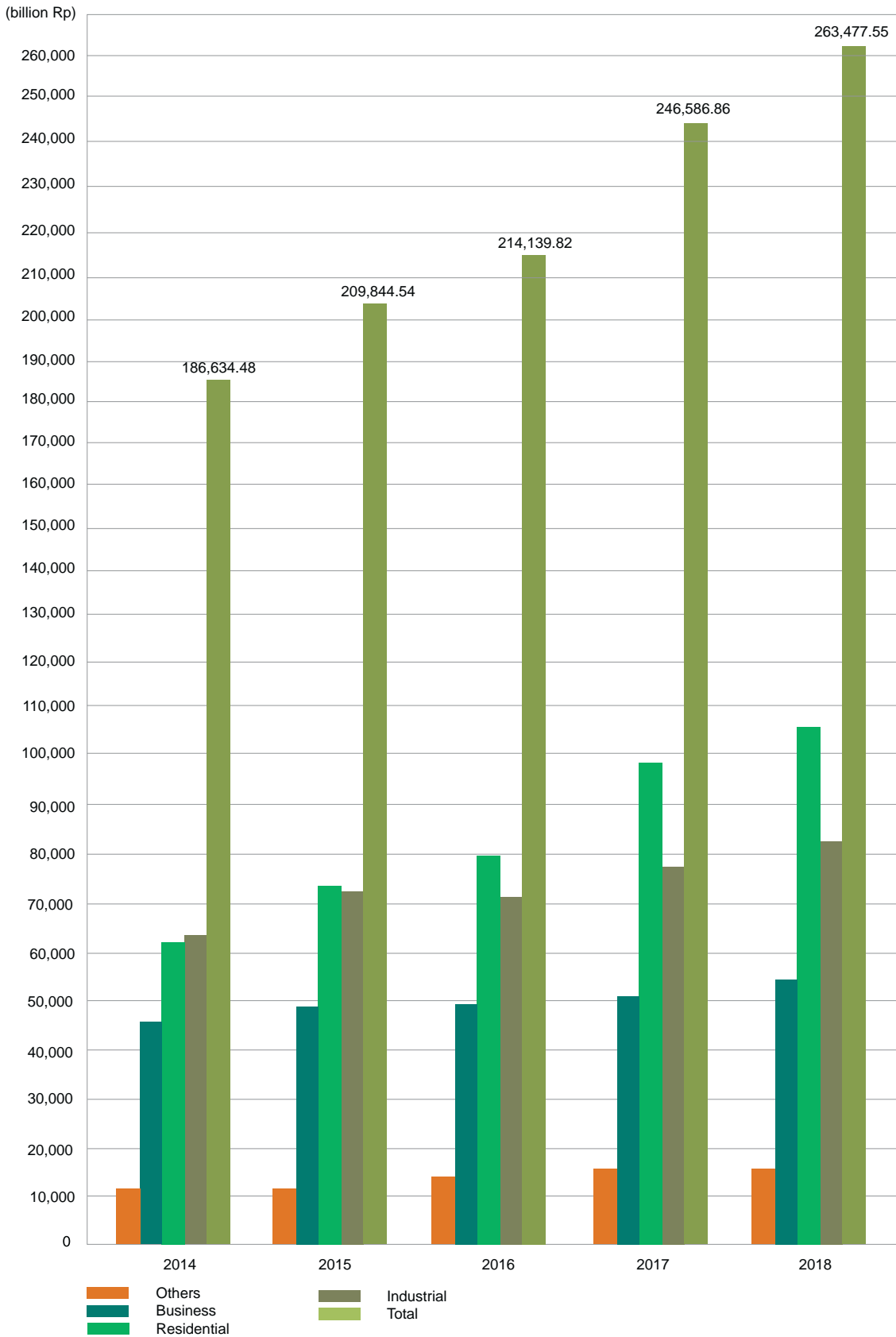
Year	Hydro	Steam	Diesel	Gas	Geothermal	Combined Cycle	Solar	Average
2014	189.19	726.37	3,064.30	2,892.80	1,306.88	1,335.74	-	1,296.73
2015	211.19	541.78	7,969.86	3,306.22	879.83	1,054.99	6,624.36	920.22
2016	271.90	532.38	1,828.39	3,103.64	1,016.37	1,085.07	5,853.84	856.28
2017	309.54	806.71	1,879.85	10,090.35	1,980.14	1,094.81	6,269.51	1,087.51
2018	352.39	831.46	2,228.71	5,781.99	2,350.98	1,298.72	7,672.68	1,160.89

Table 69 : Financial Ratios**2014 - 2018**

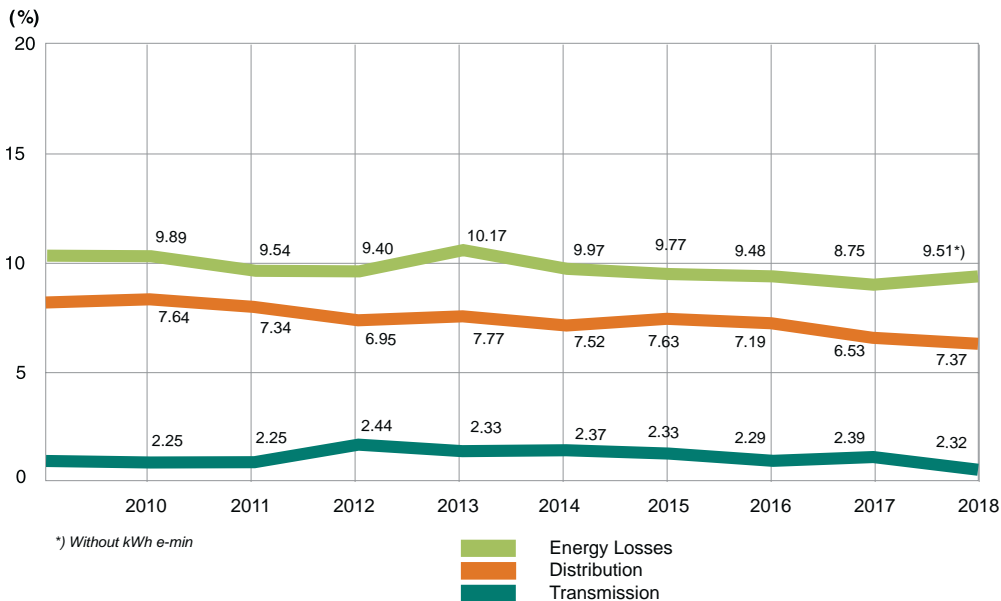
Indicator	Unit	2018	2017	2016	2015	2014*)
I. Financial Indicator						
- Cash Ratio	%	0.21	0.30	0.34	0.20	0.32
- Rentability Ratio	%	1.03	0.51	1.20	1.84	7.48
- Solvability Ratio	%	37.91	34.87	30.95	30.89	65.31
- Liquidity Ratio	%	72.29	67.44	81.05	67.81	99.88
II. Financial Covenant *)						
- CICR	Times	3.81	3.19	2.98	2.99	3.14
- Financial Liabilities to Total Assets	%	25.35	22.71	20.31	20.54	43.27
- EBITDA Interest Coverage Ratio	Times	3.50	3.05	2.97	2.94	2.98
III. Operating Activity (Financial)						
- Fixed Assets Turnover	Times	0.21	0.21	0.19	0.27	0.43
- Average Period of Receivable Collection	Day	32.05	32.70	35.41	34.20	34.41
- Receivable Turnover	Times	11.39	11.16	10.31	10.67	10.61
- Material Turnover	Times	0.98	1.07	1.39	1.44	1.25

*) For Calculating Financial Covenant based on Financial Report with excluding the impact of ISAK 8 as stated on Global Bonds and Trustee Local Bond Agreement

Graph 5. Revenues (2014 - 2018)



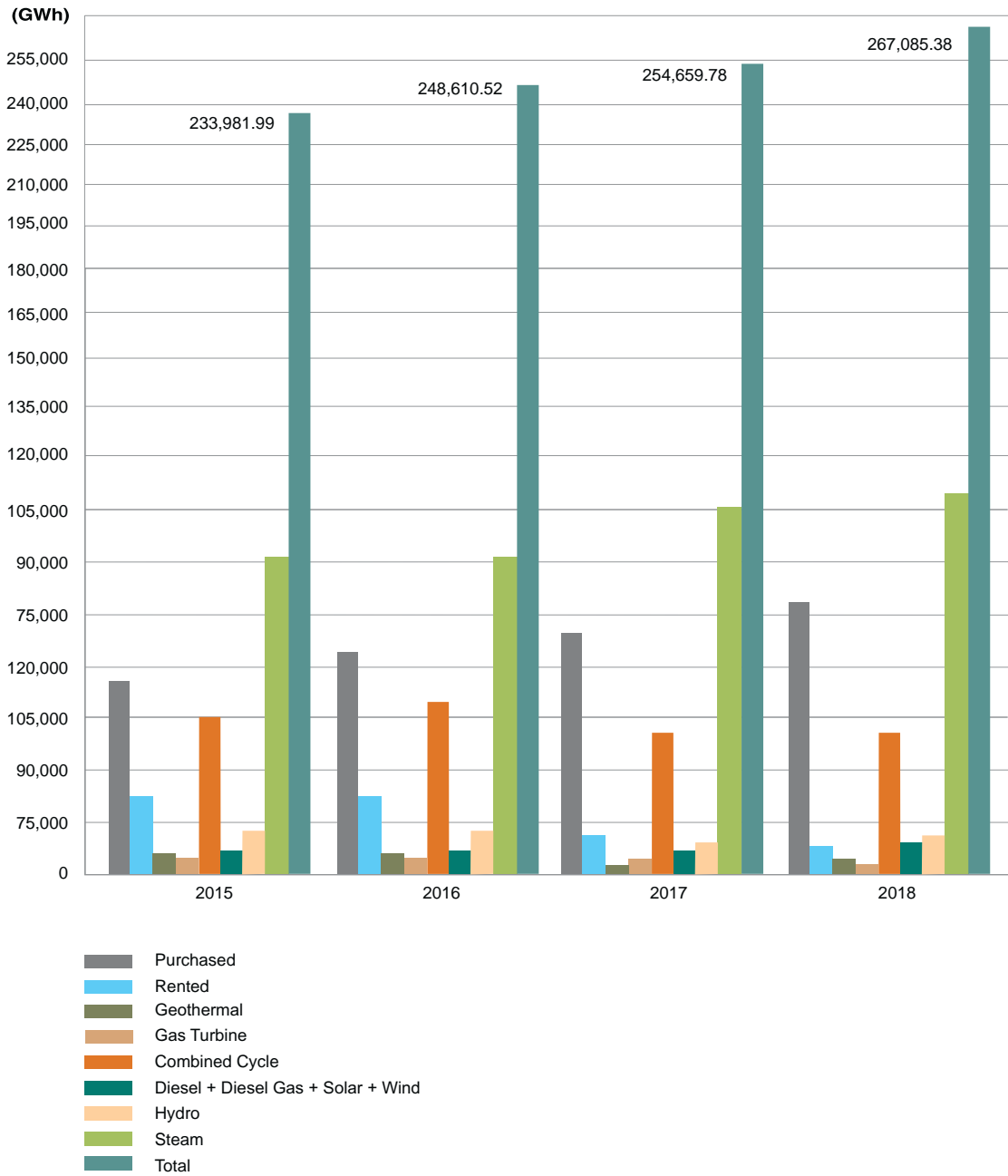
Graph 6. Energy Losses (2010 - 2018)



Graph 7. Installed Capacity *) (2010 - 2018)



Graph 8. Energy Production (2015 - 2018)





End of Five Years
(Development Plan Data)

End of Five Year Development Plan Data

Table 70 : Number of Customers

2018

Type of Customer	End of FYDP I (1973/74)	End of FYDP II (1978/79)	End of FYDP III (1983/84)	End of FYDP IV (1988/89)	End of FYDP V (1993/94)	Fifth Year of FYDP VI (1998)	Year 2018
- Residential	913,940	1,584,851	4,046,692	8,665,543	14,191,414	24,902,763	66,071,133
- Industrial	7,145	8,087	16,879	27,773	38,769	43,088	88,185
- Business	78,080	145,588	239,277	356,942	514,816	847,940	3,750,666
- Others	32,977	44,721	103,229	225,680	412,410	639,698	2,007,413
Total	1,032,142	1,783,247	4,406,077	9,275,938	15,157,409	26,433,489	71,917,397

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

2018

Type of Customer	FYDP I	FYDP II	FYDP III	FYDP IV	FYDP V	FYDP VI *)	2000-2018
- Residential	3.05	11.64	20.62	16.45	8.00	10.97	4.86
- Industrial	(0.55)	2.51	15.85	10.47	4.20	1.62	3.69
- Business	7.17	13.27	10.45	8.33	6.53	11.89	6.86
- Others	10.75	6.28	18.21	16.93	10.36	8.94	5.77
Total	3.51	11.56	19.83	16.05	8.00	10.93	4.97

*) to the end of year 1999

Table 72 : Connected Capacity (MVA)

2018

Type of Customer	End of FYDP I (1973/74)	End of FYDP II (1978/79)	End of FYDP III (1983/84)	End of FYDP IV (1988/89)	End of FYDP V (1993/94)	Fifth Year of FYDP VI (1998)	Year 2018
- Residential	398.66	992.56	2,648.60	5,397.11	8,914.86	15,887.50	63,576.71
- Industrial	422.55	973.92	1,857.77	4,080.31	7,781.84	10,698.91	29,136.29
- Business	141.06	307.91	770.00	1,382.57	2,780.64	5,665.04	27,751.75
- Others	114	184.66	850.29	1,373.75	1,758.99	2,344.39	9,815.80
Total	1,076.27	2,459.05	6,126.66	12,233.74	21,236.33	34,595.84	130,280.55

End of Five Year Development Plan Data

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

2018

Type of Customer	FYDP I	FYDP II	FYDP III	FYDP IV	FYDP V	FYDP VI *)	2000-2018
- Residential	10.81	20.01	21.69	15.30	8.27	11.93	6.69
- Industrial	18.24	18.18	13.79	17.04	9.50	5.90	5.07
- Business	9.33	16.90	20.12	12.42	12.18	14.20	7.98
- Others	8.06	10.13	35.72	10.07	3.68	5.43	7.68
Total	12.81	17.97	20.03	14.83	8.74	9.73	6.58

*) to the end of year 1999

Table 74 : Energy Sold (GWh)

2018

Type of Customer	End of FYDP I (1973/74)	End of FYDP II (1978/79)	End of FYDP III (1983/84)	End of FYDP IV (1988/89)	End of FYDP V (1993/94)	Fifth Year of FYDP VI (1998)	Year 2018
- Residential	1,077.30	1,962.20	4,291.50	7,274.63	13,140.74	24,865.45	97,832.28
- Industrial	596.00	1,443.40	3,435.90	9,052.24	19,560.98	27,995.54	76,946.50
- Business	220.90	430.90	1,002.50	1,740.14	3,774.97	8,655.96	44,027.40
- Others	320.80	450.40	1,269.80	1,925.83	2,485.34	3,744.46	15,811.70
Total	2,215.00	4,286.90	9,999.70	19,992.84	38,962.03	65,261.41	234,617.88

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

2018

Type of Customer	FYDP I	FYDP II	FYDP III	FYDP IV	FYDP V	FYDP VI *)	2000-2018
- Residential	9.68	12.74	16.94	11.13	10.61	13.25	6.31
- Industrial	21.20	19.35	18.94	21.38	11.36	8.54	4.39
- Business	13.25	14.30	18.39	11.66	13.73	17.04	7.80
- Others	12.38	7.02	23.03	8.69	3.52	7.61	7.48
Total	12.96	14.12	18.46	14.86	10.70	11.09	5.88

*) to the end of year 1999

Table 76 : Energy Losses (%)**2018**

Function	First Year FYDP II (1974/75)	End of FYDP II (1978/79)	End of FYDP III (1983/84)	End of FYDP IV (1988/89)	End of FYDP V (1993/94)	Fifth Year of FYDP VI (1998)	Year 2018
Transmission	3.90	3.50	3.90	3.01	2.54	2.35	2.32
Distribution	19.90	18.30	16.90	13.87	9.99	9.99	7.37
Total	23.80	21.80	20.80	16.88	12.53	12.34	9.51

Table 77 : Installed Capacity (MW)**2018**

Type of Generating	End of FYDP I (1973/74)	End of FYDP II (1978/79)	End of FYDP III (1983/84)	End of FYDP IV (1988/89)	End of FYDP V (1993/94)	Fifth Year of FYDP VI (1998)	Year 2018
- Hydro	278.77	349.67	536.44	1,969.57	2,178.75	3,006.76	3,582.98
- Steam	225.00	556.25	1,556.25	3,416.95	4,690.60	6,770.60	20,192.00
- Gas Turbine	42.00	882.07	1,027.92	1,233.68	995.92	1,347.41	3,133.61
- Combined Cycle	-	-	-	-	3,411.31	6,560.97	9,812.11
- Geothermal	-	-	30.00	140.00	195.00	360.00	579.50
- Diesel***)	230.31	500.40	784.39	1,769.02	2,128.46	2,535.02	4,383.42
- Diesel Gas*)	-	-	-	-	-	-	-
- Wind**)	-	-	-	-	-	-	0.47
- Solar	-	-	-	-	-	-	12.07
Total	776.08	2,288.38	3,934.99	8,529.22	13,600.05	20,580.76	41,696.17

*) Since year 2004

**) Since year 2007

***) The installed capacity of diesel including diesel gas

Table 78 : Average Growth Rate of Installed Capacity per Year (%)**2018**

Type of Generating	FYDP I	FYDP II	FYDP III	FYDP IV	FYDP V	FYDP VI *)	2000 - 2018
- Hydro	9.90	2.90	10.72	29.71	2.00	5.81	0.91
- Steam	12.50	2.13	44.16	17.03	3.51	6.59	5.92
- Gas Turbine	-	81.57	4.40	3.72	(4.19)	7.58	5.17
- Combined Cycle	-	-	-	-	60.19	11.20	1.90
- Geothermal	-	-	-	36.08	6.85	11.25	2.54
- Diesel	3.90	14.91	11.19	17.66	3.47	3.88	2.89
- Diesel Gas **)	-	-	-	-	-	-	-
- Wind***)	-	-	-	-	-	-	-
- Solar	-	-	-	-	-	-	-
Total	9.30	24.12	11.45	16.73	8.40	7.48	3.74

*) to the end of year 1999

**) Since year 2004

***) Since year 2007

End of Five Year Development Plan Data

Table 79 : Energy Production (GWh)

2018

Type of Generating	End of FYDP I (1973/74)	End of FYDP II (1978/79)	End of FYDP III (1983/84)	End of FYDP IV (1988/89)	End of FYDP V (1993/94)	Fifth Year of FYDP VI (1998)	Year 2018
Own Production :							
- Hydro	1,029.58	1,384.28	1,816.27	5,226.86	7,858.66	9,649.00	10,728.68
- Steam	713.45	1,523.10	7,365.49	14,218.38	21,784.23	30,512.37	113,902.01
- Gas Turbine	158.32	1,156.73	1,065.60	1,581.98	2,609.44	1,395.50	3,210.32
- Combined Cycle	-	-	-	-	7,794.75	24,940.78	38,762.01
- Geothermal	-	-	209.31	1,011.96	1,090.00	2,616.80	4,012.81
- Diesel	467.90	845.53	1,654.13	2,900.87	4,331.51	5,306.55	7,573.83
- Diesel Gas	-	-	-	-	-	-	-
- Wind	-	-	-	-	-	-	-
- Solar	-	-	-	-	-	-	4.21
- Rented	-	-	-	-	-	543.61	10,504.60
Sub Total	2,369.25	4,909.63	12,110.81	24,940.05	45,468.59	74,964.61	188,698.46
Purchased	636.73	813.18	1,281.02	682.71	1,250.17	2,938.76	78,386.92
Total Production	3,005.98	5,722.82	13,391.83	25,622.75	46,718.76	77,903.37	267,085.38

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

2018

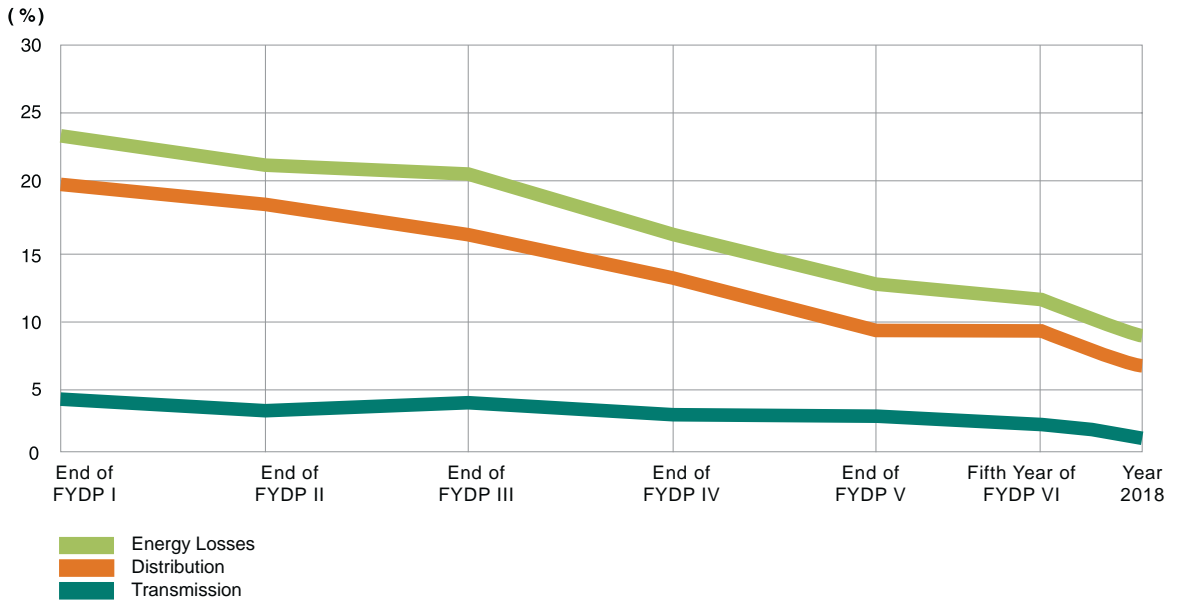
Production	FYDP I	FYDP II	FYDP III	FYDP IV	FYDP V	FYDP VI *)	2000 - 2018
Own Production :							
- Hydro	6.33	6.10	5.58	23.54	3.43	3.11	0.86
- Steam	20.05	16.37	37.05	14.06	5.73	8.05	5.89
- Gas Turbine	16.15	48.85	(1.63)	8.22	12.40	(8.61)	5.08
- Combined Cycle	-	-	-	-	109.54	24.15	2.04
- Geothermal	-	-	-	37.05	1.60	17.30	2.21
- Diesel	12.18	12.56	14.36	11.89	6.53	3.66	1.54
- Diesel Gas **)	-	-	-	-	-	-	-
- Wind***)	-	-	-	-	-	-	-
- Solar ***)	-	-	-	-	-	-	-
- Rented	-	-	-	-	-	-	15.44
Sub Total	11.39	15.69	19.79	15.54	9.61	10.44	4.34
Purchased	11.19	5.01	9.52	(11.83)	8.38	23.86	11.98
Total Production	11.34	13.74	18.53	13.86	9.58	10.92	5.69

*) To the end of year 1999

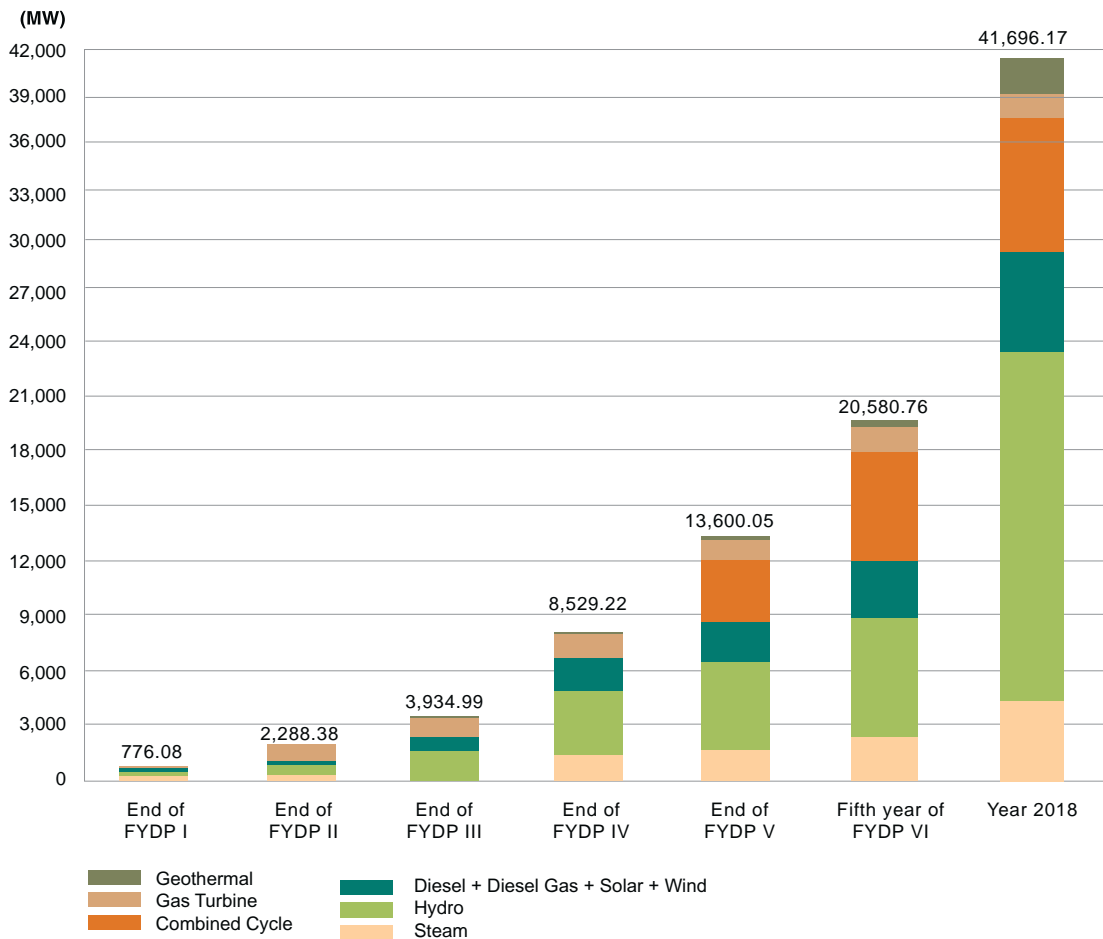
**) Since year 2004

***) Since year 2007

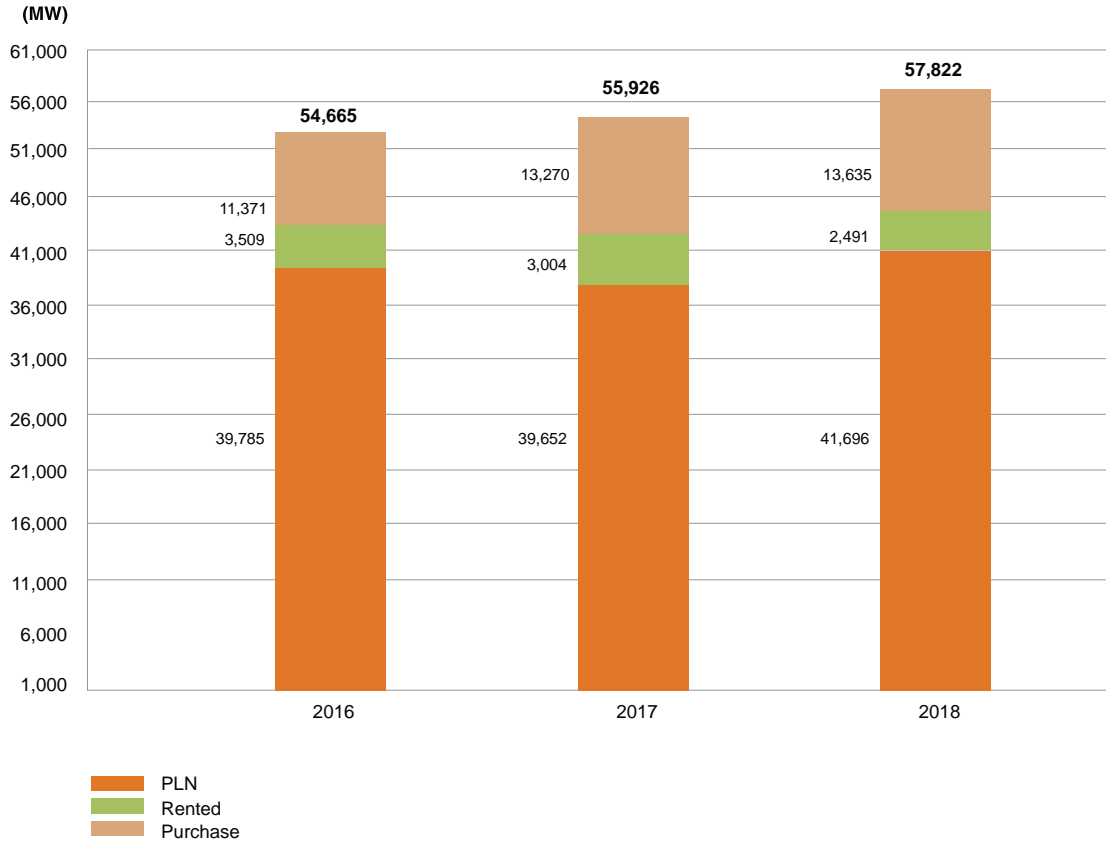
Graph 9. Energy Losses



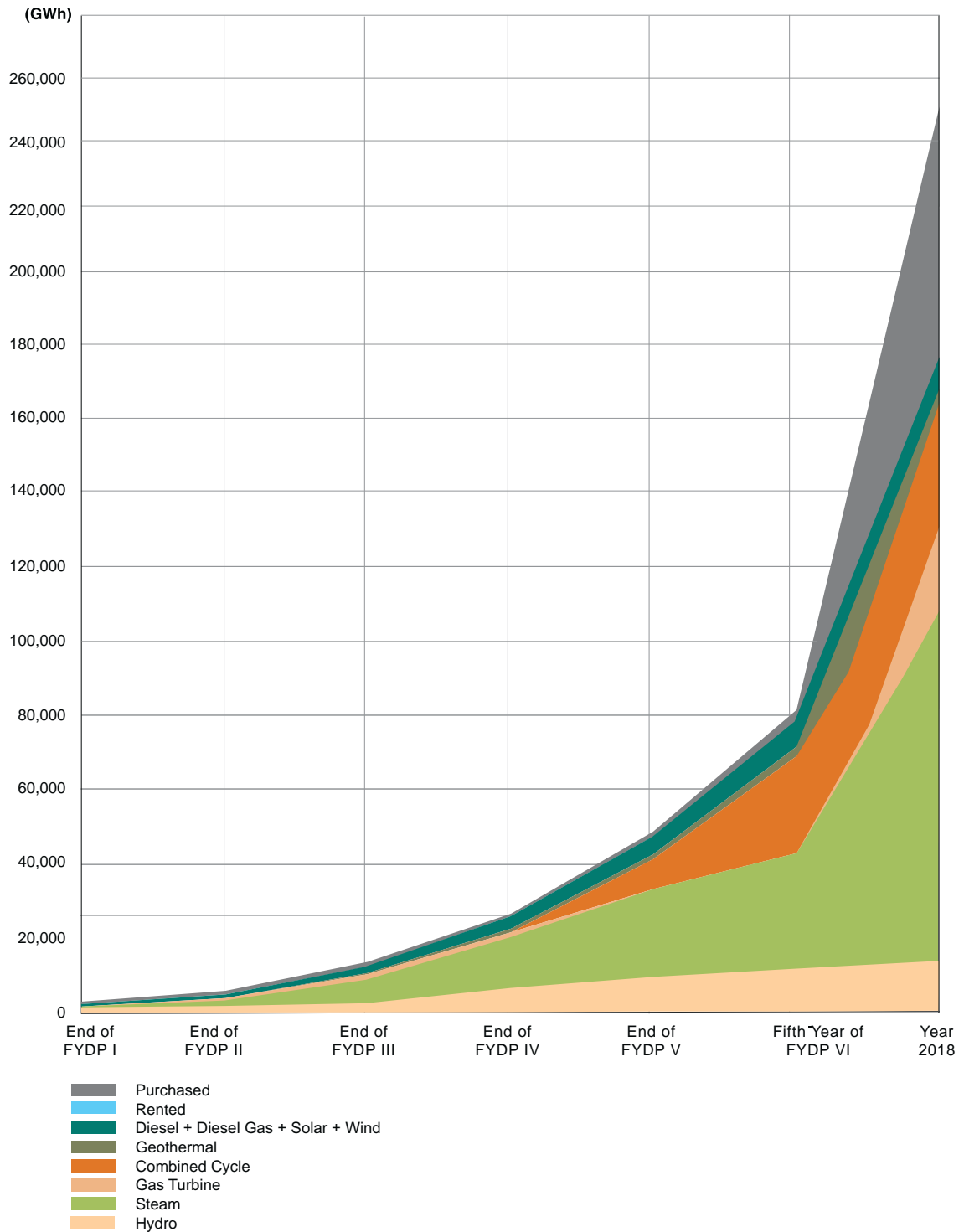
Graph 10. Installed Capacity



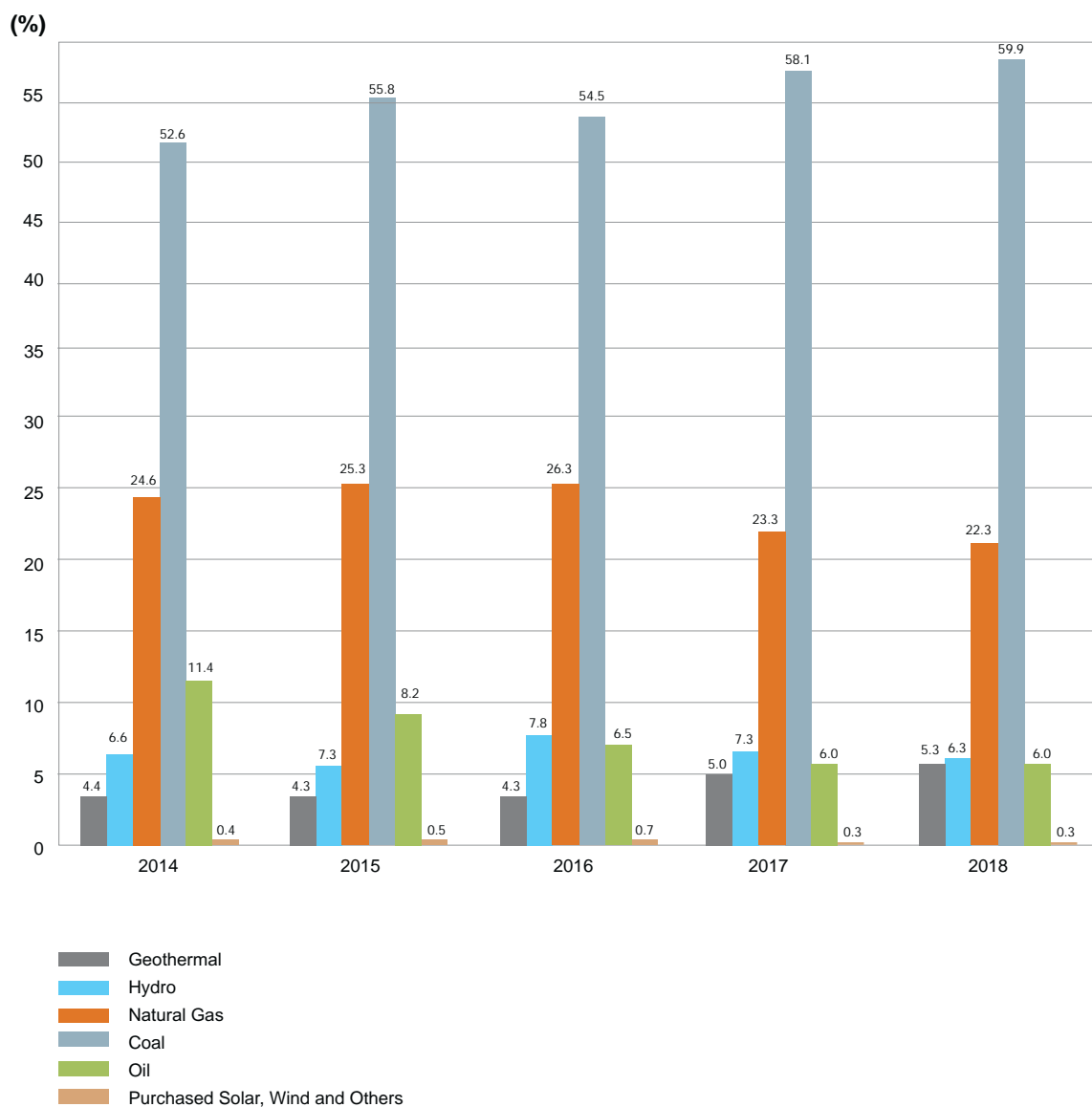
Graph 11. Installed Capacity of National



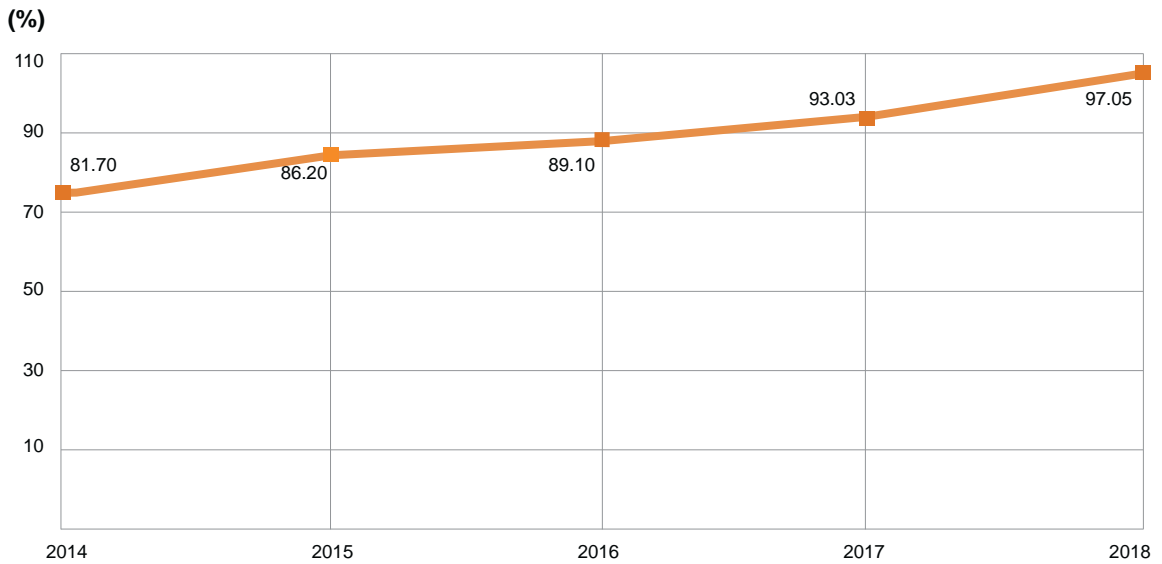
Graph 12. Energy Production



Graph 13. Energy Mix in 2014 - 2018

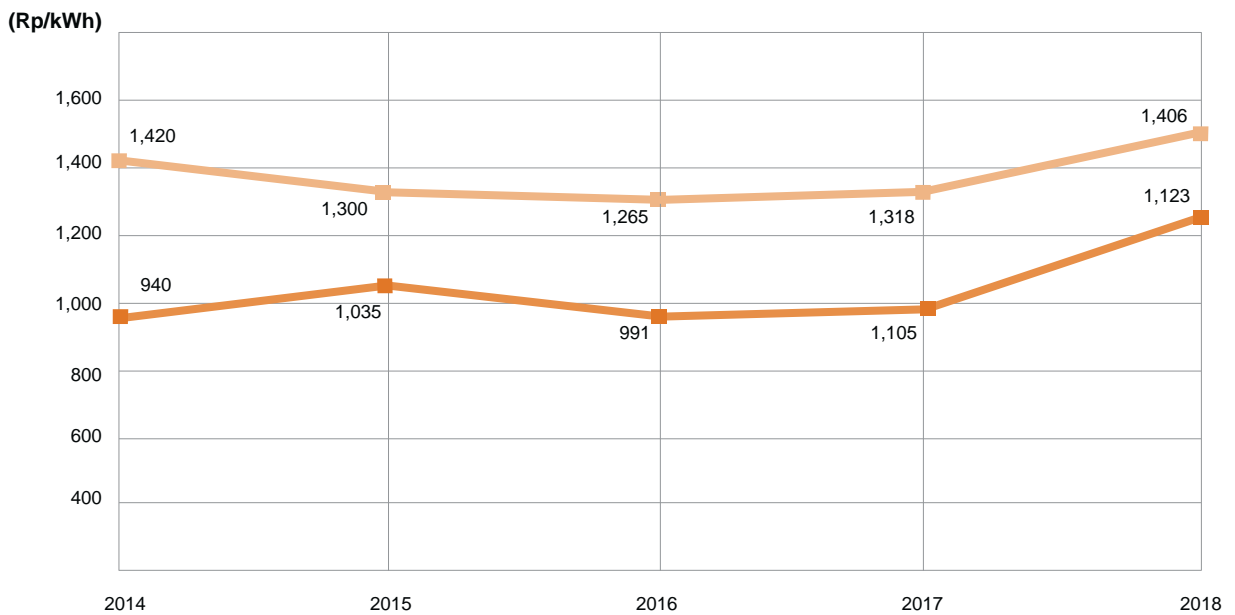


Graph 14. Electrification Ratio *)



*) Excluding non PLN Customers

Graph 15. Basic Cost of Electricity Production and Average Selling Price



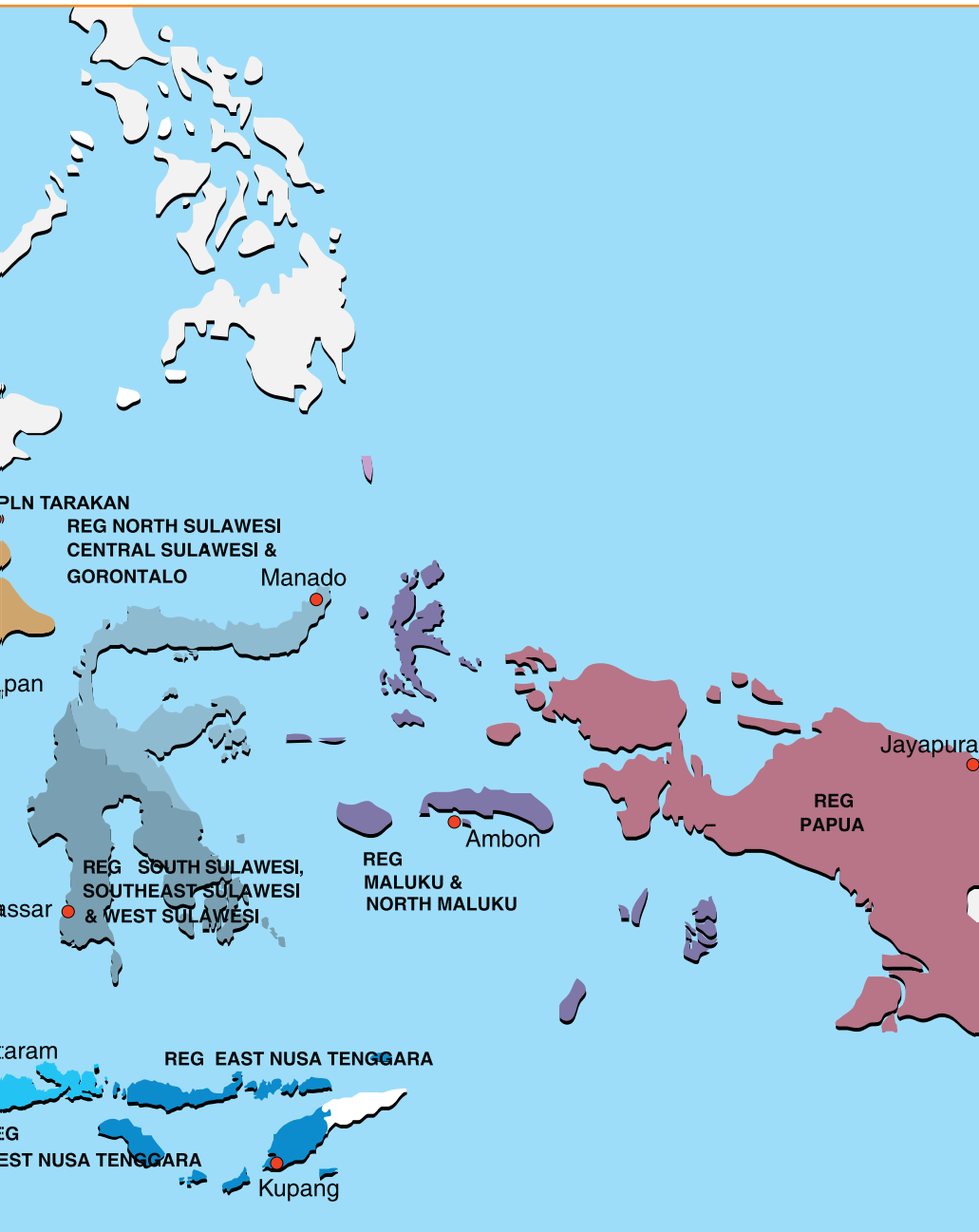
■ BPP (According to BPK's audit)
■ Selling Price



Operational Regional of PLN

Operational Region and Location of PLN Region Offices





PLN Region Offices and Subsidiaries

PT PLN (Persero) Region of Aceh

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

PT PLN (Persero) Region of North Sumatra

Jl. K.L. Yos Soedarso No. 284, Medan 20115,
Kotak Pos 2000

PT PLN (Persero) Region of West Sumatra

Jl. Dr. Wahidin No. 8, Padang 25121

PT PLN (Persero) Region of Riau and Riau Islands

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

PT PLN (Persero) Region of Bangka Belitung

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

PT PLN (Persero) Region of South Sumatra, Jambi and Bengkulu

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

PT PLN (Persero) Region of West Kalimantan

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

PT PLN (Persero) Region of South and Central Kalimantan

Jl. Panglima Batur Barat No. 1,
Banjarbaru 70711 – Kalsel

PT PLN (Persero) Region of East and North Kalimantan

Jl. MT. Haryono No. 384,
Balikpapan 76114

PT PLN (Persero) Region of North Sulawesi, Central Sulawesi and Gorontalo

Jl. Bethesda No. 32,
Manado 95116

PT PLN (Persero) Region of South Sulawesi, Southeast Sulawesi and West Sulawesi

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

PT PLN (Persero) Region of Maluku and North Maluku

Jl. Diponegoro No. 2,
Ambon 97127

PT PLN (Persero) Region of West Nusa Tenggara

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

PT PLN (Persero) Region of East Nusa Tenggara

Jl. Piet A. Tallo 101,
Kupang 85228

PT PLN (Persero) Region of West Papua dan Papua

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

PT PLN (Persero) Distribution of Jakarta Raya

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

PT PLN (Persero) Distribution of Jawa Barat

Jl. Asia Afrika No. 63,
Bandung 40111

PT PLN (Persero) Distribution of Banten

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

PT PLN (Persero) Distribution of Central Java and D.I. Yogyakarta

Jl. Teuku Umar No. 47,
Semarang 50234

PT PLN (Persero) Distribution of East Java

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

PT PLN (Persero) Distribution of Bali

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

PT PLN (Persero) Distribution of 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) Engineering Electricity Center

Jl. Aipda KS. Tubun I/2, Petamburan,
Jakarta 11420

PT PLN (Persero) Electricity Maintenance Center

Jl. Banten No. 10,
Bandung 40272

PT PLN (Persero) Research and Development Center

Jl. Duren Tiga No.102,
Jakarta 12760

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) Power Plant Development Unit of Southern of Sumatra

Jl. Demang Lebar Daun No. 375,
Palembang 30128

PT PLN (Persero) Power Plant Development Unit of Northern of Sumatra

Jl. Brigjen Katamso KM 5,5, No. 30 Titikuning,
Medan 20146

PT PLN (Persero) Generation of Java Bali

Jl. P. Mangkubumi No. 16,
Yogyakarta 55232

PT PLN (Persero) Power Plant Development Unit of Tanjung Jati B

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

PT PLN (Persero) Distribution and Lead Control (P2B)

Jl. JCC Cinere 16541,
Jakarta Selatan

PT PLN (Persero) Sumatra Transmission and Control Center

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

PT PLN (Persero) Transmission of Western Part of Java

Jl. JCC, Krukut Limo Cinere
Jakarta Selatan 16154

PT PLN (Persero) Transmission of Central Part of Java

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

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

Jl. Suningat No.45, Taman Sidoarjo
Surabaya 61257

PT PLN (Persero) Generation and Transmission of Kalimantan

Jl. Panglima Batur Barat No. 1, Banjarbaru
Kalimantan Selatan 70711

PT PLN (Persero) Generation and Transmission of Sulawesi

Jl. Letjen Hertasning Blok B
Panakukkang, Makassar 90222

PT PLN (Persero) Power Plant Development and Generation of Sumatra

Jl. R.A. Kartini No.23
Medan 20152

PT PLN (Persero) Power Plant Development Unit of Northern Part of Sumatra

Jl. Dr. Cipto No. 12
Medan 20152

PT PLN (Persero) Power Plant Development Unit of Southern Part of Sumatra

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

PT PLN (Persero) Power Plant Development Unit of Central Part of Sumatra

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) Power Plant Development Unit of Western Part of Java

Jl. Ehave – Gandul, Kec. Cinere
Depok 16514

PT PLN (Persero) Power Plant Development Unit of Central Part of Java I

Jl. Karawitan No. 32 Turangga, Lengkong
Bandung 40264

PT PLN (Persero) Power Plant Development Unit of Central Part of Java I

Jl. Margo Utomo (d/h P. Mangkubumi) No. 16
Kel. Gowongan, Kec. Jetis
Yogyakarta 55232

PT PLN (Persero) Power Plant Development Unit of Eastern Part of Java and Bali I and II

Jl. Ketintang Baru I No.1-3
Surabaya 60231

PT PLN (Persero) Power Plant Development Unit of Nusa Tenggara

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

PT PLN (Persero) Power Plant Development Unit of Western Part of Kalimantan

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

PT PLN (Persero) Power Plant Development Unit of Eastern Part of Kalimantan

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

PT PLN (Persero) Power Plant Development Unit of Central Part of Kalimantan

Jl. Mistar Cokrokusumo Km.39
Banjarbaru, Kalimantan Selatan 70733

PT PLN (Persero) Power Plant Development Unit of Northern Part of Sulawesi

Jl. Bathesda No. 32
Kel. Ranotana, Kec. Sario
Kota Manado 95116

PT PLN (Persero) Power Plant Development Unit of Southern Part of Sulawesi

Jl. Letjend Hertasning, Panakukang
Makassar 90222

PT PLN (Persero) Power Plant Development Unit of Maluku

Jl. Kapt. Piere Tendean, Halong, Galala
Ambon 97127

PT PLN (Persero) Power Plant Development Unit of Papua

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

PT Indonesia Power

Centennial Tower 7-8th Floor
Jl. Jend. Gatot Subroto Kav. 24-25,
Jakarta Selatan 12950

PT Pembangkitan Jawa Bali (PJB)

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

PT Pelayanan Listrik Nasional Batam

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

PT Indonesia Comnets Plus (ICON+)

Jl. K.H. Abdul Rochim No. 1
Kuningan Barat, Mampang,
Jakarta Selatan 12710

PT Prima Layanan Nasional Enjiniring

Jl. Wijaya I, No. 61, Kebayoran Baru,
Jakarta 12170

PT Pelayanan Listrik Nasional Tarakan

Jl. P. Diponegoro No. 1, Tarakan,
Kalimantan Timur 77114

PT PLN Batubara

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

PT PLN Gas dan Geothermal

Gedung Kyai Maja, Office Tower Lt. 8
Jl. Kyai Maja No. 1, Kebayoran Baru,
Jakarta Selatan 12120

PT Pelayaran Bahtera Adhiguna

Jl. Kalibesar Timur No. 10 – 13
Jakarta 11110

PT Haleyora Power

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

