





# **STATISTIK KETENAGALISTRIKAN DAN ENERGI TAHUN 2008**



DIREKTORAT JENDERAL LISTRIK DAN PEMANFAATAN ENERGI  
KEMENTERIAN ENERGI DAN SUMBER DAYA MINERAL

## KATA PENGANTAR

Buku Statistik Ketenagalistrikan dan Energi No. 22 - 2009 disusun berdasarkan data dari beberapa unit di lingkungan Kementerian Energi dan Sumber Daya Mineral dan stakeholders terkait. Data Ketenagalistrikan berasal dari PT. PLN (Persero) dan Direktorat Jenderal Listrik dan Pemanfaatan Energi, sedangkan data mengenai Energi berasal dari Direktorat Jenderal Minyak dan Gas Bumi, dan Direktorat Jenderal Mineral, Batubara dan Panas Bumi.

Tujuan penyusunan buku Statistik Ketenagalistrikan ini adalah untuk memberikan informasi tentang data Ketenagalistrikan dan energi serta informasi lainnya. Data Statistik disajikan dalam bentuk tabel dan grafik untuk mempermudah pembacaan, dan ringkasan dalam bentuk narasi.

Buku Statistik Ketenagalistrikan dan Energi No. 22 - 2009 ini berisi data tahun 2008 meliputi penyediaan tenaga listrik, pengusaha tenaga listrik dan pemanfaatan energi dimaksudkan agar data dapat terkumpul dalam satu buku, sehingga dapat dipergunakan serta dapat digunakan berbagai pihak. Data yang ada dalam buku ini dapat dilihat dalam website Direktorat Jenderal Listrik dan Pemanfaatan Energi melalui : <http://www.djlpe.esdm.go.id>.

Saran dan kritik membangun untuk penerbitan selanjutnya dapat disampaikan melalui e-mail : [kslr@djlpe.esdm.go.id](mailto:kslr@djlpe.esdm.go.id).

Jakarta,     Desember 2008

Sekretaris Direktorat Jenderal  
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## FOREWORD

*Statistics book of Electricity and Energy Number 22 - 2008, was developed based on electricity and energy data that collected from several units in the Ministry of Energy and Mineral Resources and related stakeholders. Electricity data sources were gathered from the Directorate General of Electricity and Energy Utilization and PT. PLN (Persero). Energy data were gathered from the Directorate General of Oil and Gas, and Directorate General Mineral, Coal and Geothermal.*

*The aims of publishing this book is to provide information about electricity and energy. The statistic data was presented in a table form, graphics to simplify observation, and narration summary.*

*This statistic book contain with 2008 electricity and energy data, including electricity suplay facilities, electricity business and energy utilization in order to provide comprehensive data in single statistical book, therefore it can be utilized by either party. Data from this statistic book can be accessed on website of Directorate General of Electricity and Energy Utilization <http://www.djlpe.esdm.go.id>*

*Futher valuable suggestion and constructive critism can be sent to e-mail address: [kslr@djlpe.esdm.go.id](mailto:kslr@djlpe.esdm.go.id). Jakarta,*

Jakarta, December 2008

The Secretary of Directorate General  
of Electricity and Energy Utilization

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## RINGKASAN

Kapasitas terpasang pembangkit tenaga listrik PLN sampai dengan akhir tahun 2008 mencapai 25.504 MW dibandingkan dengan tahun 2007 sebesar 25.223 MW, maka kapasitas terpasang pembangkit tenaga listrik PLN naik sebesar 371 MW atau 1,4 %.

Pada akhir tahun 2008 total panjang jaringan transmisi naik menjadi 77.807 kms, terdiri dari JTET (Jaringan Tegangan Ekstra Tinggi) sepanjang 5.092 kms dan JTT (Jaringan Tegangan Tinggi) sepanjang 72.715 kms. total jaringan distribusi naik menjadi 614.925 kms dari 610.540 kms atau mengalami kenaikan sepanjang 4.385 kms atau 0,7 %, terdiri dari JTM (Jaringan Tegangan Menengah) sepanjang 261.163 kms dan JTR (Jaringan Tegangan Rendah) sepanjang 353.762 kms. Untuk Gardu Induk turun sebesar 16.058 MVA atau 27,35 % yaitu dari 58.713 MVA pada tahun 2007 menjadi 42.655 MVA pada akhir tahun 2008, dan untuk Gardu Distribusi juga mengalami penurunan sebesar 1.582 MVA atau 4,68 % yaitu dari 33.826 MVA pada tahun 2007 menjadi 32.244 MVA pada akhir tahun 2008.

Untuk jumlah Gardu Induk pada akhir tahun 2008 mengalami penurunan sejumlah 4 unit atau 0,35%, yaitu dari 1.136 unit menjadi 1.132 unit, dan jumlah Gardu Distribusi juga mengalami penurunan sejumlah 2.905 unit atau 1,04% yaitu dari 279.454 unit menjadi 276.549 unit.

Penyediaan tenaga listrik akhir tahun 2008 sebesar 149.436 GWh yang terdiri atas produksi tenaga listrik PLN sebesar 118.047 GWh dan pembelian sebesar 31.389 GWh. Dibandingkan dengan tahun 2007 produksi tenaga listrik PLN sebesar 111.241 GWh naik sebesar 6.805 GWh atau 5,8 %; sedangkan pembelian sebesar 31.199 GWh naik sebesar 190 GWh atau 0,6 %.

Penjualan tenaga listrik PLN tahun 2008 sebesar 129.019 GWh. Dibandingkan dengan tahun 2007 penjualan tenaga listrik naik sebesar 7.772 GWh atau 6 % terdiri dari penjualan untuk sektor industri sebesar 47.969 GWh, sektor rumah tangga sebesar 50.184 GWh, sektor komersial atau usaha sebesar 22.728 GWh dan sektor publik atau umum sebesar 7.937 GWh.

Jumlah pelanggan tahun 2008 mencapai 38.844.086 pelanggan. Dibandingkan dengan tahun 2007 naik sebesar 1.510.357 pelanggan atau 3,9%. Dari jumlah pelanggan seluruhnya, kelompok rumah tangga merupakan jumlah pelanggan terbesar yaitu 36.025.071 pelanggan atau 93 %.

Susut jaringan transmisi PLN tahun 2008 sebesar 15.094 GWh terdiri dari susut transmisi sebesar 3.127 GWh dan susut distribusi sebesar 11.967 GWh. Dibandingkan dengan produksi netto sebesar 144.367 GWh maka susut jaringan transmisi adalah 2,17 % dan susut distribusi 8,29 %.

Jumlah desa seluruh Indonesia sampai dengan akhir tahun 2007 mencapai 71.886 desa, telah dilistriki sebanyak 66.039 desa atau 92,29 % dengan jumlah pelanggan desa 36.081.116 pelanggan.

Rasio elektrifikasi adalah perbandingan rumah tangga berlistrik dengan jumlah rumah tangga. Rasio elektrifikasi sampai dengan akhir tahun 2008 mencapai 66,71 %. Dibandingkan dengan tahun 2007 rasio elektrifikasi mencapai 64,34 %.

Daya tersambung tenaga listrik per kapita adalah perbandingan antara jumlah daya tersambung tenaga listrik PLN dengan jumlah penduduk. Daya tersambung PLN tahun 2008 mencapai 60.086,80 MVA dan proyeksi jumlah penduduk pada tahun yang sama sekitar 228.523.300 jiwa, maka daya tersambung tenaga listrik per kapita tahun 2008 adalah sebesar 0,26 VA/penduduk

Konsumsi tenaga listrik PLN per kapita merupakan perbandingan konsumsi tenaga listrik dengan jumlah penduduk. Jumlah penduduk pada tahun 2008 sebanyak 228.523.300 jiwa dan konsumsi tenaga listrik pada tahun yang sama sebesar 129.019 GWh, maka konsumsi tenaga listrik PLN per kapita adalah 0,56 kWh/penduduk.

Rasio desa berlistrik adalah perbandingan antara jumlah desa berlistrik dengan jumlah seluruh desa. Desa berlistrik sampai dengan tahun 2008 adalah 66.039 desa dengan jumlah desa sebanyak 71.886 desa dengan rincian di luar jawa sebanyak 46.840 desa berlistrik dan di jawa 25.046 desa berlistrik. Dengan demikian rasio desa berlistrik tahun 2008 adalah 92,29 %, sedang rasio desa berlistrik di luar jawa mencapai 87,61 % dan rasio desa berlistrik di jawa sudah mencapai 99,82 %.

#### NON PLN POWER PLANT

Kapasitas terpasang pembangkit tenaga listrik non PLN sampai dengan tahun 2008 sebesar 5.271,93 MW terdiri dari kapasitas terpasang IPP sebesar 4.756,93 MW, Batamindo sebesar 115 MW, Krakatau Daya Listrik sebesar 400 MW. dan sampai dengan tahun 2007 mencapai 5.076 MW, ada kenaikan sebesar 195 MW.

## SUMMARY

*In 2008 the capacity of the PLN power system was 25.504 MW, It's compared to the year 2007, 25.223 MW the capacity of the PLN power system increased 371 MW or 1,54%.*

*In 2008 The transmission lines increased 77.807 kmc. The consisting of each line is as follows: Extra high voltage transmission lines has reached 5.092 kmc, and High voltage transmission lines has reached 72.715 kmc. Total distribution lines increased 4.385 kmc or 0.7 % from 610.540 kmc to 614.925 kmc. The consisting of each line is as follows : Medium voltage distribution lines has reached 261.163 kmc and low voltage distribution lines has reched 353.762 kmc. The sub stations discreased 16.058 MVA or 27,35 % as from 58.713 MVA to 42.655 MVA, and distribu-tion sub stations has also discreased 1.582 MVA or 4,68 % as from 33.826 MVA to 32.244 MVA.*

*The total units of substation has discreased 4 units or 0,35 % as from 1.136 units to 1.132 units, and total units of distribution substation was discreased 2.905 units or 1,04 % as from 279.454 units to 276.549 units.*

*The supply of electricity in 2008 was 149.436 GWh, consisting of PLN's self production of 118.047 GWh and purchase of 31.389 GWh. Compared to the year 2007, the electricity of PLN's production was 111.241 increased 6.805 GWh or 5,8 %, while the purchased electricity was 31.199 GWh increased 190 GWh or 0,6 %.*

*The sale of PLN electricity in 2008 was 129.019 GWh, Compared to the year 2007 was in-creased of 7.772 GWh or 6 % consisting of sales to industrial sector were 47.969 GWh, while that to residential sector 50.184 GWh, to commercial sector or business enterprises 22.728 GWh and to public sector 7.937 GWh.*

*The number of customers in 2008 reached 38.844.089 an increase of 1.510.357 or 3,9 %. Residential was the largest group of customers, numbering in 36.025.071 or 93 % of all customers.*

*Transmission lines losses in 2008 decreased by 15.094 GWh The consisting of each line is as follows; transmission losses as 3.127 GWh and distribution losses as 11.967 GWh. Com-pared to the netto production was 144.367 GWh, these represented of 2,17 % and 8,294 % in overall transmission and distribution losses respectively.*

*The group of all Indonesian villages reached 71.886 villages in 2007 the electrified villages has been 66.039 villages or 92,29 %. while the group of customers were 36.081.116.*

*The electrification ratio is the ratio of the electrified household to the total households. Until 2008 electrification ratio has reached 66,71 %. Compared to 2007 where electrification ratio was 64,34 %.*

*The power connected per capita is the percentage of the total power connected to the total of population in Indonesia. The PLN power connected in 2008 is 60.086 MVA and the projec-tion of population was about 228.523.300 It means per capita power connected is 0,26 VA/ population.*

*Per capita electricity consumption is the percentage of electricity consumption to the total population. Total population up to 2008 is 228.523.300 and consumption of the electric energy is 129.019 GWh. Therefore, the per capita electricity consumption is 0,56 kWh/population.*

*Rural electrification ratio is the percentage of the electrified villages to the total one. The electrified villages up to 2008 has been 66.039 villages, while the total number of villages is 71.886, consisting of 46.840 electrified villages outside of Java and 25.046 electrified villages in Java. Therefore, rural electrification ratio is 92,29 %, while the ratio of outside Java was 87,61 % and in Java 99,82 %.*

#### **NON PLN POWER PLANT**

*Non PLN installed capacities Power Plant in 2008 was 5.271,93 MW consisted of IPP 4.756,93 MW, Batamindo was 115 MW, Krakatau Daya Listrik was 400 MW. and until in 2007 The Non PLN Power Plant was 5.076,93 MW, increased 195 MW.*

**TABEL 1**  
**SARANA PENYEDIAAN TENAGA LISTRIK NASIONAL**  
*NATIONAL ELECTRIC SUPPLY FACILITIES*

|      | URAIAN                        | / | DESCRIPTION                |      | 2003       | 2004       | 2005       | 2006       | 2007       | 2008       |
|------|-------------------------------|---|----------------------------|------|------------|------------|------------|------------|------------|------------|
| I.   | PEMBANGKIT                    | / | POWER PLANT                | MW   | 25,139.47  | 26,424.15  | 26,601.66  | 29,738.87  | 30,300.17  | 30,865.85  |
|      | a. Pembangkit PLN             | / | PLN'S POWER PLANT          | MW   | 21,206.33  | 22,340.59  | 22,515.10  | 24,846.21  | 25,223.49  | 25,593.92  |
|      | b. Pembangkit Listrik Non PLN | / | PRIVATE'S POWER            | MW   | 3,933.14   | 4,083.56   | 4,086.56   | 4,892.66   | 5,076.68   | 5,271.93   |
|      | - IPP                         | / |                            | MW   | 3,418.14   | 3,628.56   | 3,571.56   | 4,377.66   | 4,561.68   | 4,756.93   |
|      | - Batamindo                   | / |                            | MW   | 115.00     | 115.00     | 115.00     | 115.00     | 115.00     | 115.00     |
|      | - Krakatau Daya listrik       | / |                            | MW   | 400.00     | 400.00     | 400.00     | 400.00     | 400.00     | 400.00     |
|      | SARANA TRANSMISI PLN          | / | PLN'S TRANSMISSION LINES   |      |            |            |            |            |            |            |
|      | - Transmisi TET               | / | 500 kV TL (EHVTL)          | kms  | 3,207.00   | 3,578.27   | 3,578.27   | 5,047.78   | 5,047.78   | 5,092.00   |
|      | - Transmisi TT                | / | 25 kV s.d 150 kV TL (HVTL) | kms  | 24,565.33  | 27,215.70  | 27,367.21  | 27,869.05  | 28,115.09  | 29,091.85  |
| II.  | GARDU INDUK                   | / | SUB STATION                |      |            |            |            |            |            |            |
|      | - Kapasitas                   | / | Transformer Capacity       | MVA  | 53,400.00  | 54,128.00  | 53,976.00  | 54,527.00  | 58,713.00  | 59,508.00  |
|      | - Jumlah Gardu                | / | Units                      | unit | 1,121.00   | 1,129.00   | 1,080.00   | 1,101.00   | 1,136.00   | 1,144.00   |
|      | SARANA DISTRIBUSI PLN         | / | PLN'S DISTRIBUTION LINES   | kms  |            |            |            |            |            |            |
|      | - J T M                       | / | Medium Voltage (6 - 20) kV | kms  | 233,388.15 | 236,386.36 | 239,384.16 | 246,775.43 | 253,908.02 | 261,163.20 |
|      | - J T R                       | / | Low Voltage (< 6 kV)       | kms  | 313,828.78 | 322,702.79 | 324,454.18 | 326,274.01 | 344,589.67 | 353,762.00 |
| III. | GARDU DISTRIBUSI              | / | DISTRIBUTION SUBSTATION    |      |            |            |            |            |            |            |
|      | - Kapasitas                   | / | Transformer Capacity       | MVA  | 30,255.52  | 30,595.13  | 31,734.42  | 32,873.70  | 33,826.37  | 32,244.40  |
|      | - Jumlah Gardu                | / | Units                      | unit | 230,841.00 | 241,394.00 | 254,966.00 | 259,444.00 | 279,454.00 | 276,549.00 |

**TABEL 2**  
**KAPASITAS TERPASANG PEMBANGKIT TENAGA LISTRIK NASIONAL**  
*NATIONAL INSTALLED CAPACITY OF POWER PLANT BY TYPE*  
(MW)

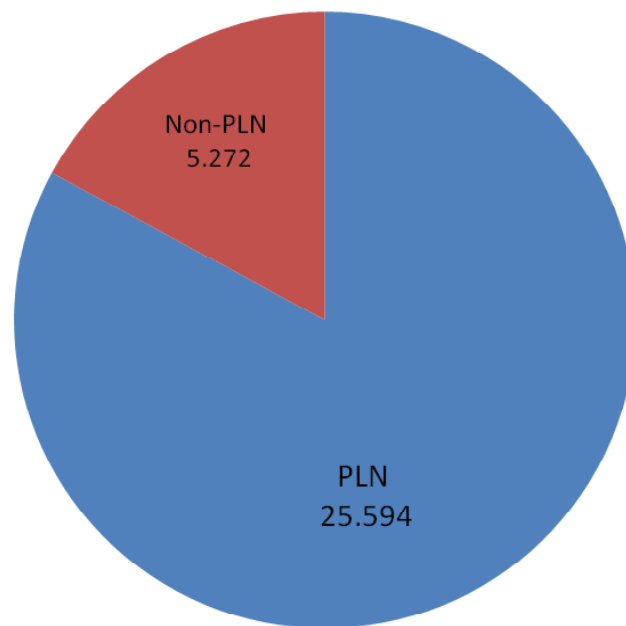
| TAHUN<br>YEAR | P L T BBM OIL FIRED PP    |                      |                                          |                                 | P L T NON - BBM     |                            |                            |                                      |                                        |
|---------------|---------------------------|----------------------|------------------------------------------|---------------------------------|---------------------|----------------------------|----------------------------|--------------------------------------|----------------------------------------|
|               | PLTU-M<br>STEAM<br>OIL PP | PLTD<br>DIESEL<br>PP | PLTG-M<br>OIL FIRED<br>GAS<br>TURBINE PP | PLTGU-M<br>COMBINED<br>CYCLE PP | PLTA<br>HYDRO<br>PP | PLTP<br>GEOTHER-<br>MAL PP | PLTU-B<br>STEAM<br>COAL PP | PLTU-G<br>STEAM<br>NATURAL<br>GAS PP | PLTG-G<br>NATURAL<br>GAS<br>TURBINE PP |
| 2003          | 1,155.00                  | 2,730.60             | 1,082.27                                 | 2,737.98                        | 3,167.78            | 805.00                     | 7,640.00                   | 955.00                               | 605.45                                 |
| 2004          | 1,155.00                  | 2,993.60             | 1,356.52                                 | 2,435.73                        | 3,199.45            | 820.00                     | 7,640.00                   | 955.00                               | 1,446.05                               |
| 2005          | 6,770.00                  | 3,042.12             | 1,865.63                                 | 6,220.97                        | 3,220.96            | 820.00                     | 2,980.00                   | -                                    | 1,321.00                               |
| 2006          | 6,770.00                  | 3,001.49             | 1,869.22                                 | 6,960.97                        | 3,529.11            | 820.00                     | 4,900.00                   | -                                    | 1,527.00                               |
| 2007          | 6,984.00                  | 3,069.77             | 1,925.63                                 | 6,960.97                        | 3,506.54            | 932.50                     | 5,030.00                   | -                                    | 1,527.00                               |
| 2008          | 7,214.00                  | 3,134.40             | 1,638.69                                 | 7,310.97                        | 3,509.28            | 1,002.50                   | 5,095.00                   | -                                    | 1,527.00                               |

\*) Tidak termasuk captive power / Not included captive power

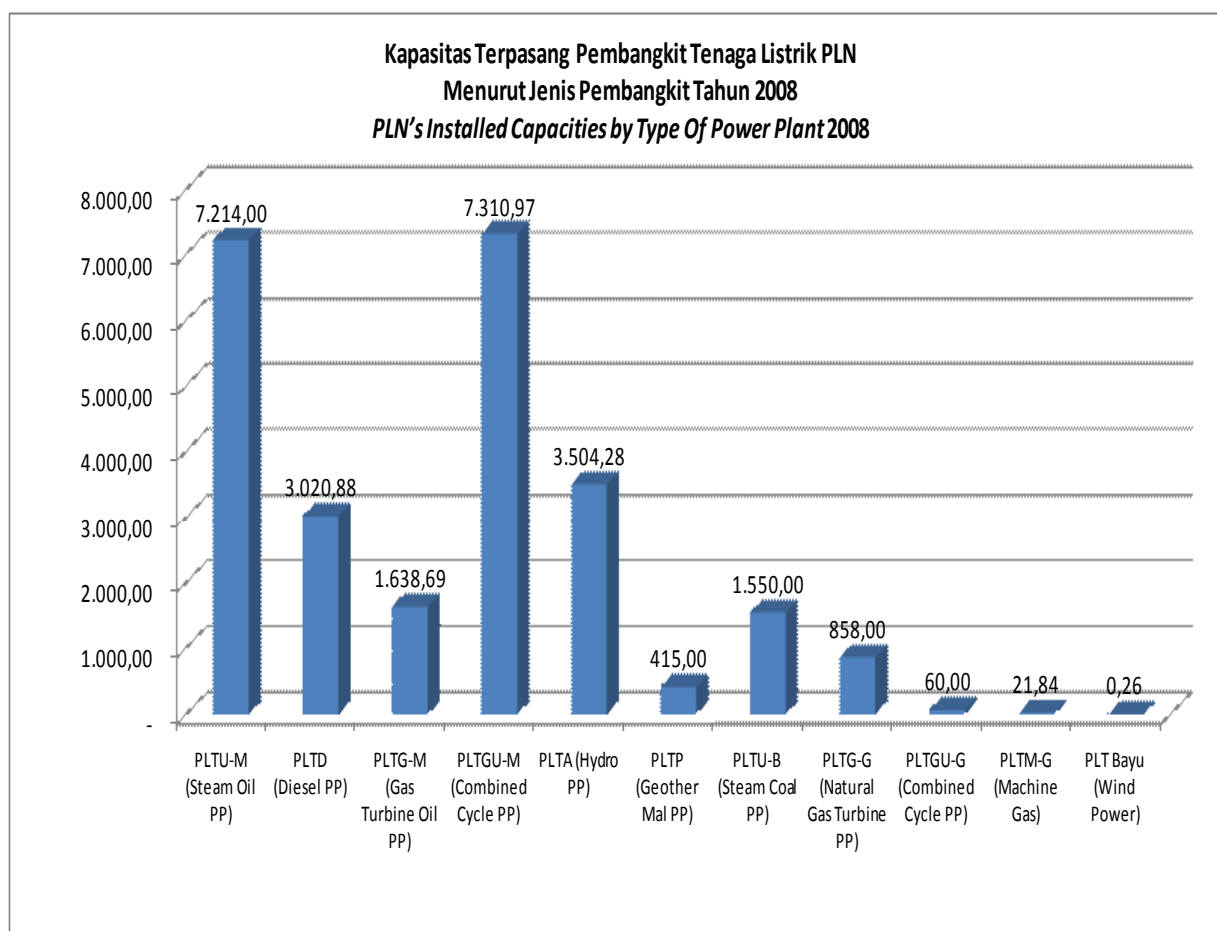
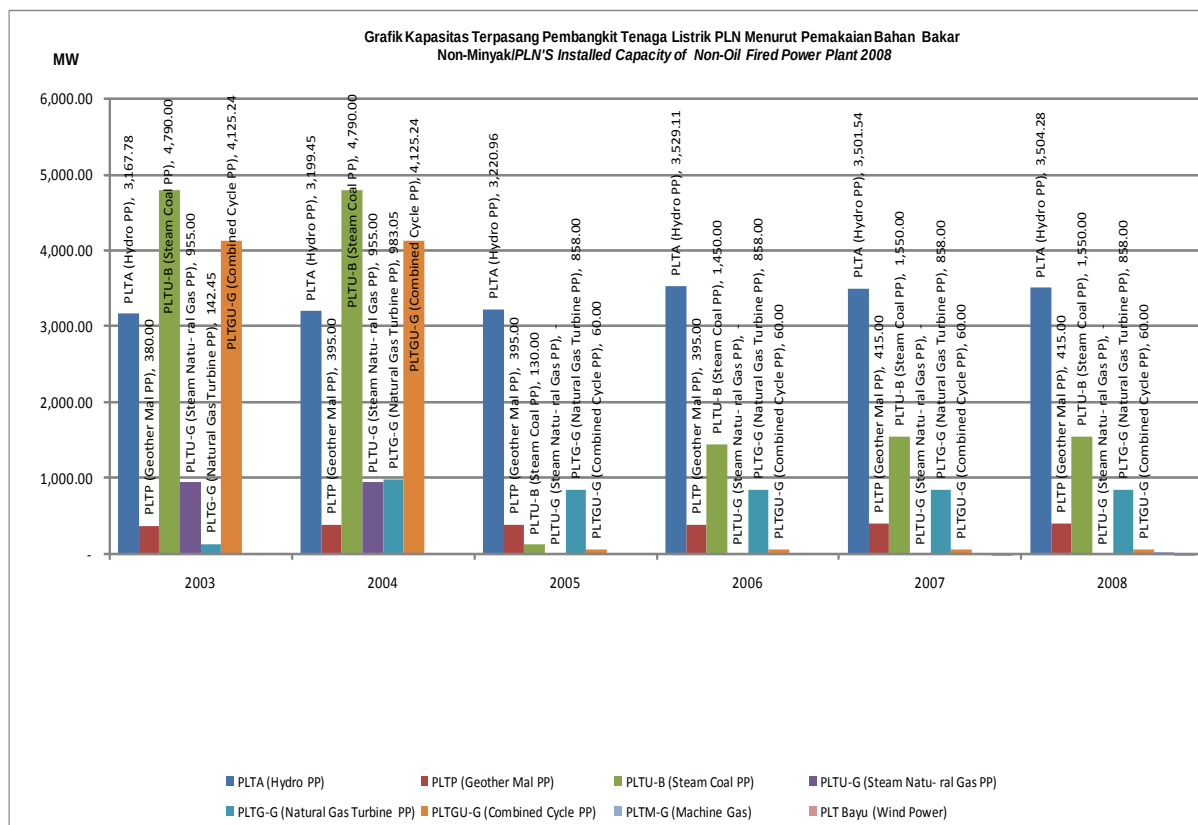
\*\*) Tidak termasuk captive power dan listrik swasta /  
Not included captive power and private power



**Grafik Kapasitas Terpasang Pembangkit Tenaga Listrik Tahun 2008**



| NON OIL FIRED PP                |                             |                          |                   |                     |                        | JUMLAH<br>TOTAL |
|---------------------------------|-----------------------------|--------------------------|-------------------|---------------------|------------------------|-----------------|
| PLTGU-G<br>COMBINED<br>CYCLE PP | PLT-LK<br>DENDRO<br>THERMAL | PLTM-G<br>MACHINE<br>GAS | PLTM<br>MINIHYDRO | PLTMH<br>MICROHYDRO | PLT Bayu<br>WIND POWER |                 |
| 4,275.24                        | -                           | -                        | -                 | -                   | -                      | 24,890.91       |
| 4,410.24                        | -                           | 12.00                    | -                 | -                   | -                      | 26,424.09       |
| 495.00                          | -                           | 12.42                    | -                 | -                   | -                      | 26,748.60       |
| 934.00                          | -                           | 12.42                    | 3.00              | -                   | -                      | 29,753.21       |
| 345.30                          | -                           | 12.00                    | 3.12              | 0.61                | 0.10                   | 30,297.54       |
| 405.30                          | -                           | 21.84                    | 6.00              | 0.61                | 0.26                   | 30,865.85       |



**TABEL 3**  
**SARANA PENYEDIAAN TENAGA LISTRIK PLN**  
**PLN'S ELECTRICITY SUPPLY FACILITIES**

|      | URAIAN             |   | DESCRIPTION                  |      | 2002       | 2003       | 2004       | 2005       | 2006       | 2007       | 2008       |
|------|--------------------|---|------------------------------|------|------------|------------|------------|------------|------------|------------|------------|
| I.   | PEMBANGKIT         | / | POWER PLANT                  | MW   | 21,112.23  | 21,206.33  | 22,340.59  | 22,515.10  | 24,846.21  | 25,223.49  | 25,593.92  |
|      | JUMLAH PLT-BBM     | / | TOTAL OIL FIRED PP           | MW   | 7,971.74   | 7,645.86   | 7,880.86   | 17,838.72  | 18,541.68  | 18,826.85  | 19,184.54  |
|      | PLTU               | / | Steam PP                     | MW   | 1,255.00   | 1,155.00   | 1,155.00   | 6,770.00   | 6,770.00   | 6,984.00   | 7,214.00   |
|      | PLTD               | / | Diesel PP                    | MW   | 2,589.12   | 2,670.60   | 2,933.60   | 2,982.12   | 2,941.49   | 2,956.25   | 3,020.88   |
|      | PLTG               | / | Gas Turbine PP               | MW   | 881.06     | 1,082.27   | 1,356.52   | 1,865.63   | 1,869.22   | 1,925.63   | 1,638.69   |
|      | PLTGU              | / | Combined Cycle PP            | MW   | 3,246.56   | 2,737.98   | 2,435.73   | 6,220.97   | 6,960.97   | 6,960.97   | 7,310.97   |
|      | JUMLAH PLT NON BBM | / | TOTAL NON-OIL FIRED PP       | MW   | 13,140.49  | 13,560.47  | 14,459.74  | 4,676.38   | 6,304.53   | 6,396.64   | 6,409.38   |
|      | PLTA               | / | Hydro PP                     | MW   | 3,155.17   | 3,167.78   | 3,199.45   | 3,220.96   | 3,529.11   | 3,501.54   | 3,504.28   |
|      | PLTP               | / | Geothermal PP                | MW   | 380.00     | 380.00     | 395.00     | 395.00     | 395.00     | 415.00     | 415.00     |
|      | PLTU-B             | / | Steam Coal PP                | MW   | 4,790.00   | 4,790.00   | 4,790.00   | 130.00     | 1,450.00   | 1,550.00   | 1,550.00   |
|      | PLTU-G             | / | Steam Natural Gas PP         | MW   | 855.00     | 955.00     | 955.00     | -          | -          | -          | -          |
|      | PLTG-G             | / | Gas Turbine PP               | MW   | 343.66     | 142.45     | 983.05     | 858.00     | 858.00     | 858.00     | 858.00     |
|      | PLTGU-G            | / | Combined Cycle PP            | MW   | 3,616.66   | 4,125.24   | 4,125.24   | 60.00      | 60.00      | 60.00      | 60.00      |
|      | PLTM-G             | / | Machine-Gas                  | MW   |            |            | 12.00      | 12.42      | 12.42      | 12.00      | 21.84      |
|      | PLT Bayu           | / | Wind Power                   | MW   |            |            | n.a        | n.a        | n.a        | 0.10       | 0.26       |
| II.  | SARANA TRANSMISI   | / | TRANSMISSION LINES           | kms  | 27,570.25  | 28,172.94  | 30,793.97  | 30,945.48  | 32,916.83  | 33,162.87  | 34,183.85  |
|      | - Transmisi TET    | / | 500 kV TL (EHVTL)            | kms  | 3,207.00   | 3,607.61   | 3,578.27   | 3,578.27   | 5,047.78   | 5,047.78   | 5,092.00   |
|      | - Transmisi TT     | / | 25 s.d 150 kV TL (HVTTL)     | kms  | 24,363.25  | 24,565.33  | 27,215.70  | 27,367.21  | 27,869.05  | 28,115.09  | 29,091.85  |
|      | GARDU INDUK        | / | SUB STATION                  |      |            |            |            |            |            |            |            |
|      | - Kapasitas        | / | Transformer Capacity         | MVA  | 51,845.00  | 53,400.00  | 54,128.00  | 53,976.00  | 54,527.00  | 58,713.00  | 59,508.00  |
|      | - Jumlah Gardu     | / | Units                        | unit | 1,093      | 1,089      | 1,129      | 1,080      | 1,101      | 1,136      | 1,144      |
| III. | SARANA DISTRIBUSI  | / | DISTRIBUTION LINES           | kms  | 535,870.25 | 547,210.38 | 607,754.96 | 563,838.34 | 573,049.44 | 598,497.69 | 614,925.20 |
|      | JTM                | / | Medium Voltage (6 s.d 20 kV) | kms  | 228,002.86 | 233,381.60 | 285,052.17 | 239,384.16 | 246,775.43 | 253,908.02 | 261,163.20 |
|      | JTR                | / | Low Voltage (< 6 kV)         | kms  | 307,867.39 | 313,828.78 | 322,702.79 | 324,454.18 | 326,274.01 | 344,589.67 | 353,762.00 |
|      | GARDU DISTRIBUSI   | / | DISTRIBUTION SUB-STATION     |      |            |            |            |            |            |            |            |
|      | - Kapasitas        | / | Transformer Capacity         | MVA  | 29,712.66  | 30,255.52  | 30,595.13  | 29,013.33  | 32,873.70  | 33,826.37  | 32,244.40  |
|      | - Jumlah Gardu     | / | Units                        | unit | 230,288.00 | 230,841.00 | 241.394    | 254.966    | 259.444    | 279.454    | 276.549    |

**TABEL 4**  
**KAPASITAS TERPASANG PEMBANGKIT TENAGA LISTRIK PLN MENURUT JENIS PEMBANGKIT**  
**PLN'S INSTALLED CAPACITY OF POWER PLANT BY TYPE**  
**(MW)**

| TAHUN<br>YEAR | P L T B B M O I L F I R E D P P |                      |                                    |                                 | P L T N O N B B M N O N O I L F I R E D P P |                            |                            |                                      |                                        |                                 |                          |                              | JUMLAH<br>TOTAL |
|---------------|---------------------------------|----------------------|------------------------------------|---------------------------------|---------------------------------------------|----------------------------|----------------------------|--------------------------------------|----------------------------------------|---------------------------------|--------------------------|------------------------------|-----------------|
|               | PLTU-M<br>STEAM<br>OIL<br>PP    | PLTD<br>DIESEL<br>PP | PLTG-M<br>GAS<br>TURBINE<br>OIL PP | PLTGU-M<br>COMBINED<br>CYCLE PP | PLTA<br>HYDRO<br>PP                         | PLTP<br>GEOTHER-<br>MAL PP | PLTU-B<br>STEAM<br>COAL PP | PLTU-G<br>STEAM<br>NATURAL<br>GAS PP | PLTG-G<br>NATURAL<br>GAS<br>TURBINE PP | PLTGU-G<br>COMBINED<br>CYCLE PP | PLTM-G<br>MACHINE<br>GAS | PLT<br>Bayu<br>WIND<br>POWER |                 |
| 2003          | 1,155.00                        | 2,670.60             | 1,082.27                           | 2,737.98                        | 3,167.78                                    | 380.00                     | 4,790.00                   | 955.00                               | 142.45                                 | 4,125.24                        | -                        | -                            | 21,206.33       |
| 2004          | 1,155.00                        | 2,933.60             | 1,356.52                           | 2,435.73                        | 3,199.45                                    | 395.00                     | 4,790.00                   | 955.00                               | 983.05                                 | 4,125.24                        | 12.00                    | -                            | 22,340.59       |
| 2005          | 6,770.00                        | 2,982.12             | 1,865.63                           | 6,220.97                        | 3,220.96                                    | 395.00                     | 130.00                     | -                                    | 858.00                                 | 60.00                           | 12.42                    | -                            | 22,515.10       |
| 2006          | 6,770.00                        | 2,941.49             | 1,869.22                           | 6,960.97                        | 3,529.11                                    | 395.00                     | 1,450.00                   | -                                    | 858.00                                 | 60.00                           | 12.42                    | -                            | 24,846.21       |
| 2007          | 6,984.00                        | 2,956.25             | 1,925.63                           | 6,960.97                        | 3,501.54                                    | 415.00                     | 1,550.00                   | -                                    | 858.00                                 | 60.00                           | 12.00                    | 0.10                         | 25,223.49       |
| 2008          | 7,214.00                        | 3,020.88             | 1,638.69                           | 7,310.97                        | 3,504.28                                    | 415.00                     | 1,550.00                   | -                                    | 858.00                                 | 60.00                           | 21.84                    | 0.26                         | 25,593.92       |

TABEL 5  
KAPASITAS TERPASANG PEMBANGKIT TENAGA LISTRIK PLN MENURUT JENIS PEMBANGKIT PER WILAYAH  
PLN'S INSTALLED CAPACITY OF POWER PLANT BY TYPE AND BY REGION 2008  
(MW)

| No<br>Nr. | WILAYAH/<br>PROPINSI             | REGION<br>PROVINCE               | PLTA<br>HYDRO | PLTP<br>GEO<br>THERMAL | PLTU-M<br>STEAM<br>OIL | PLTU-B<br>STEAM<br>COAL |
|-----------|----------------------------------|----------------------------------|---------------|------------------------|------------------------|-------------------------|
| 1         | Nanggroe Aceh Darussalam         | Nanggroe Aceh Darussalam         | 1.75          | -                      | -                      | -                       |
| 2         | Sumatera Utara                   | North Sumatera                   | -             | -                      | -                      | -                       |
| 3         | Sumatera Barat                   | West Sumatera                    | 0.65          | -                      | -                      | -                       |
| 4         | Riau                             | Riau                             | -             | -                      | -                      | -                       |
| 5         | Sumatera Selatan                 | South Sumatera                   | -             | -                      | -                      | -                       |
| 6         | Jambi                            | Jambi                            | -             | -                      | -                      | -                       |
| 7         | Bengkulu                         | Bengkulu                         | 1.60          | -                      | -                      | -                       |
| 8         | Bangka Belitung                  | Bangka Belitung                  | -             | -                      | -                      | -                       |
| 9         | Lampung                          | Lampung                          | -             | -                      | -                      | -                       |
| 10        | Kalimantan Barat                 | West Kalimantan                  | -             | -                      | -                      | -                       |
| 11        | Kalimantan Selatan               | South Kalimantan                 | 30.00         | -                      | -                      | 130.00                  |
| 12        | Kalimantan Tengah                | Centre Kalimantan                | -             | -                      | -                      | -                       |
| 13        | Kalimantan Timur                 | East Kalimantan                  | -             | -                      | 14.00                  | -                       |
| 14        | Sulawesi Utara                   | North Sulawesi                   | 51.38         | 40.00                  | -                      | -                       |
| 15        | Gorontalo                        | Gorontalo                        | -             | -                      | -                      | -                       |
| 16        | Sulawesi Tengah                  | Centre Sulawesi                  | 5.96          | -                      | -                      | -                       |
| 17        | Sulawesi Selatan                 | South Sulawesi                   | 147.72        | -                      | 25.00                  | -                       |
| 18        | Sulawesi Tenggara                | South East Sulawesi              | 1.60          | -                      | -                      | -                       |
| 19        | Sulawesi Barat                   | West Sulawesi                    | -             | -                      | -                      | -                       |
| 20        | Maluku                           | Maluku                           | -             | -                      | -                      | -                       |
| 21        | Maluku Utara                     | North Maluku                     | -             | -                      | -                      | -                       |
| 22        | Papua                            | Papua                            | 4.04          | -                      | -                      | -                       |
| 23        | Distribusi Bali                  | Dist. Bali                       | -             | -                      | -                      | -                       |
| 24        | Nusa Tenggara Barat              | West Nusa Tenggara               | -             | -                      | -                      | -                       |
| 25        | Nusa Tenggara Timur              | East Nusa Tenggara               | 1.08          | -                      | -                      | -                       |
| 26        | PT PLN Batam                     | PT PLN BATAM                     | -             | -                      | -                      | -                       |
| 27        | PT PLN Tarakan                   | PT PLN TARA KAN                  | -             | -                      | -                      | -                       |
| 28        | Kit Sumbagut                     | Kit Sumbagut                     | 253.50        | -                      | 490.00                 | -                       |
| 29        | Kit Sumbagsel                    | Kit Sumbagsel                    | 607.96        | -                      | 685.00                 | -                       |
| 30        | P3B Sumatera                     | P3B Sumatera                     | -             | -                      | -                      | -                       |
|           | LUAR JAWA                        | OUT SIDE JAVA                    | 1,107.24      | 40.00                  | 1,214.00               | 130.00                  |
| 31        | Dist. Jawa Timur                 | Dist. East Java                  | 2.45          | -                      | -                      | -                       |
| 32        | Jawa Tengah                      | Dist. Central Java               | 0.38          | -                      | -                      | -                       |
| 33        | D.I. Yogyakarta                  | D.I Yogyakarta                   | 0.32          | -                      | -                      | -                       |
| 34        | Jawa Barat                       | West Java                        | 0.71          | -                      | -                      | -                       |
| 35        | Banten                           | Banten                           | -             | -                      | -                      | -                       |
| 36        | Dist. Jakarta Raya dan Tangerang | Dist. Jakarta Raya dan Tangerang | -             | -                      | -                      | -                       |
| 37        | PT Indonesia Power               | PT Indonesia Power               | 1,103.80      | 375.00                 | 3,900.00               | -                       |
| 38        | PT PJB                           | PT PJB                           | 1,289.38      | -                      | 2,100.00               | -                       |
| 39        | Pembangkitan Muara Tawar         | Pembangkitan Muara Tawar         | -             | -                      | -                      | -                       |
| 40        | Pembangkitan Cilegon             | Pembangkitan Cilegon             | -             | -                      | -                      | -                       |
| 41        | Pembangkitan Tanjung Jati B      |                                  | -             | -                      | -                      | 1,420.00                |
|           | J A W A                          | J A V A                          | 2,397.04      | 375.00                 | 6,000.00               | 1,420.00                |
|           | INDONESIA                        | INDONESIA                        | 3,504.28      | 415.00                 | 7,214.00               | 1,550.00                |

| PLTD<br>DIESEL | PLTG-M<br>GAS<br>TURBINE | PLTG-G<br>NATURAL<br>GAS<br>TURBINE | PLTGU-M<br>COMBINED<br>CYCLE | PLTGU-G<br>COMBINED<br>CYCLE | PLTM-G<br>MACHINE<br>GAS | PLT Bayu<br>WIND<br>POWER | JUMLAH<br>TOTAL |
|----------------|--------------------------|-------------------------------------|------------------------------|------------------------------|--------------------------|---------------------------|-----------------|
| 150.74         | -                        | -                                   | -                            | -                            | -                        | -                         | 152.49          |
| 0.70           | -                        | -                                   | -                            | -                            | -                        | -                         | 0.70            |
| 44.06          | -                        | -                                   | -                            | -                            | -                        | -                         | 44.71           |
| 164.08         | -                        | -                                   | -                            | -                            | -                        | -                         | 164.08          |
| 20.12          | -                        | -                                   | -                            | -                            | -                        | -                         | 20.12           |
| 35.16          | -                        | -                                   | -                            | -                            | -                        | -                         | 35.16           |
| 33.71          | -                        | -                                   | -                            | -                            | -                        | -                         | 35.31           |
| 101.13         | -                        | -                                   | -                            | -                            | -                        | -                         | 101.13          |
| 8.03           | -                        | -                                   | -                            | -                            | -                        | -                         | 8.03            |
| 259.55         | 34.00                    | -                                   | -                            | -                            | -                        | -                         | 293.55          |
| 129.82         | 21.00                    | -                                   | -                            | -                            | -                        | -                         | 310.82          |
| 83.02          | -                        | -                                   | -                            | -                            | -                        | -                         | 83.02           |
| 320.43         | 20.00                    | -                                   | -                            | 60.00                        | -                        | -                         | 414.43          |
| 123.71         | -                        | -                                   | -                            | -                            | -                        | 0.10                      | 224.33          |
| 40.66          | -                        | -                                   | -                            | -                            | -                        | -                         | 40.66           |
| 118.52         | -                        | -                                   | -                            | -                            | -                        | -                         | 124.48          |
| 144.57         | 122.72                   | -                                   | -                            | -                            | -                        | -                         | 440.01          |
| 73.09          | -                        | -                                   | -                            | -                            | -                        | -                         | 74.69           |
| 3.23           | -                        | -                                   | -                            | -                            | -                        | -                         | 3.23            |
| 55.49          | -                        | -                                   | -                            | -                            | -                        | -                         | 55.49           |
| 126.17         | -                        | -                                   | -                            | -                            | -                        | -                         | 126.17          |
| 163.72         | -                        | -                                   | -                            | -                            | -                        | -                         | 167.76          |
| 3.76           | -                        | -                                   | -                            | -                            | -                        | -                         | 4.02            |
| 139.18         | -                        | -                                   | -                            | -                            | -                        | -                         | 139.78          |
| 123.68         | -                        | -                                   | -                            | -                            | -                        | -                         | 124.76          |
| 111.35         | -                        | -                                   | -                            | -                            | -                        | -                         | 111.35          |
| 19.22          | -                        | -                                   | -                            | -                            | 12.00                    | -                         | 31.22           |
| 108.18         | 166.33                   | -                                   | 817.88                       | -                            | -                        | -                         | 1,868.95        |
| 211.42         | 354.82                   | -                                   | -                            | -                            | -                        | -                         | 1,859.20        |
| -              | -                        | -                                   | -                            | -                            | -                        | -                         | -               |
| 2,916.50       | 718.87                   | -                                   | 817.88                       | 60.00                        | 12.00                    | 0.10                      | 7,059.65        |
| 12.26          | -                        | -                                   | -                            | -                            | -                        | -                         | 14.71           |
| -              | -                        | -                                   | -                            | -                            | -                        | -                         | 0.38            |
| -              | -                        | -                                   | -                            | -                            | -                        | -                         | 0.32            |
| -              | -                        | -                                   | -                            | -                            | -                        | -                         | 0.71            |
| 0.22           | -                        | -                                   | -                            | -                            | -                        | -                         | 0.22            |
| -              | -                        | -                                   | -                            | -                            | -                        | -                         | -               |
| 91.90          | 846.36                   | -                                   | 2,675.73                     | -                            | -                        | -                         | 8,992.79        |
| -              | 80.40                    | -                                   | 3,037.36                     | -                            | -                        | -                         | 6,507.14        |
| -              | -                        | 858.00                              | -                            | -                            | -                        | -                         | 858.00          |
| -              | -                        | -                                   | 740.00                       | -                            | -                        | -                         | 740.00          |
| -              | -                        | -                                   | -                            | -                            | -                        | -                         | 1,420.00        |
| 104.38         | 926.76                   | 858.00                              | 6,453.09                     | -                            | -                        | -                         | 18,534.27       |
| 3,020.88       | 1,638.69                 | 858.00                              | 7,310.97                     | 60.00                        | 21.84                    | 0.26                      | 25,593.92       |

**TABEL 6**  
**PEMBANGUNAN PEMBANGKIT ENERGI BARU TERBARUKAN**  
*DEVELOPMENT GENERATING RENEWABLE ENERGY*

| NO. | REGION<br>PROVINCE     |   | JENIS PEMBANGKIT<br>POWER PLANT BY TYPE | 2005 |      | 2006 |       | 2007   |       | 2008     |       |
|-----|------------------------|---|-----------------------------------------|------|------|------|-------|--------|-------|----------|-------|
|     |                        |   |                                         | KW   | UNIT | KW   | UNIT  | KW     | UNIT  | KW       | UNIT  |
| 1   | NAD                    | - | PLTS                                    | -    | -    | -    | 963   | -      | 1,967 | -        | 1,420 |
|     |                        | - | PLT BIODIESEL                           | -    | -    | -    | -     | 8,296  | -     | -        | -     |
| 2   | SUMATERA<br>UTARA      | - | PLTS                                    | -    | -    | -    | 858   | -      | 1,989 | -        | 1,140 |
|     |                        | - | SHS                                     | -    | -    | -    | -     | -      | -     | -        | -     |
| 3   | SUMATERA<br>BARAT      | - | PLTS                                    | -    | -    | -    | 315   | -      | 828   | -        | 1,325 |
|     |                        | - | PLTM                                    | 40   | 1    | 52   | 2     | 52     | 1     | -        | -     |
| 4   | RIAU                   | - | PLTS                                    | -    | -    | -    | 1,378 | -      | 1,553 | -        | 1,760 |
|     |                        | - | PLTS 10 Wp TERPUSAT                     | -    | -    | -    | -     | -      | 1     | -        | -     |
|     |                        | - | PLT BIODIESEL                           | -    | -    | -    | -     | 8,825  | -     | -        | -     |
|     |                        | - | PLTMH                                   | -    | -    | -    | -     | -      | -     | 39       | 1     |
| 5   | SUMATERA SELATAN       | - | PLTS                                    | -    | -    | -    | 678   | -      | 2,518 | -        | 1,900 |
| 6   | JAMBI                  | - | PLTS                                    | -    | 65   | -    | 885   | -      | 1,412 | -        | 1,300 |
| 7   | BENGKULU               | - | PLTS                                    | -    | -    | -    | 506   | -      | 1,513 | -        | 1,250 |
|     |                        | - | PLTMH                                   | -    | -    | -    | -     | -      | -     | 50       | 1     |
| 8   | BANGKA BELITUNG        | - | PLTS                                    | -    | -    | -    | 1,153 | -      | 777   | -        | 1,100 |
|     |                        | - | PLTB                                    | -    | -    | 80   | -     | -      | 1     | -        | -     |
| 10  | LAMPUNG                | - | PLTS                                    | -    | -    | -    | 400   | -      | 1,928 | -        | 1,450 |
|     |                        | - | PLTMH                                   | -    | -    | 100  | -     | -      | -     | -        | -     |
| 11  | KALIMANTAN BARAT       | - | PLTS                                    | -    | -    | -    | 345   | -      | 1,104 | -        | 1,380 |
|     |                        | - | PLTMH                                   | -    | -    | 140  | 2     | -      | -     | -        | -     |
|     |                        | - | PLT BIODIESEL                           | -    | -    | -    | -     | 18,828 | -     | -        | -     |
| 12  | KALIMANTAN<br>SELATAN  | - | PLTS                                    | -    | -    | -    | 350   | -      | 1,205 | -        | 1,250 |
|     |                        | - | PLTMH                                   | -    | -    | 90   | 3     | 80     | 1     | 40       | 1     |
| 13  | KALIMANTAN<br>TENGAH   | - | PLTS                                    | -    | -    | -    | 1,354 | -      | 1,403 | -        | 1,950 |
| 14  | KALIMANTAN TIMUR       | - | PLTS                                    | -    | 220  | -    | 1,150 | -      | 1,470 | -        | 980   |
|     |                        | - | PLTMH                                   | -    | -    | 90   | 3     | 80     | 1     | 238      | 1     |
| 15  | SULAWESI UTARA         | - | PLTS                                    | -    | -    | -    | 1,236 | -      | 1,396 | -        | 1,250 |
|     |                        | - | PLTS Terpusat 15 kWp                    | -    | -    | -    | -     | -      | -     | -        | 1     |
|     |                        | - | PLTMH                                   | -    | -    | -    | -     | 160    | 2     | -        | -     |
|     |                        | - | GENSET                                  | -    | -    | -    | -     | -      | -     | 1,000.00 | 4     |
|     |                        | - | PLTB                                    | -    | -    | 80   | -     | -      | -     | -        | -     |
| 16  | GORONTALO              | - | PLTS                                    | -    | -    | -    | 1,373 | -      | 1,282 | -        | 900   |
|     |                        | - | PLTS Terpusat 15 kWp                    | -    | -    | -    | -     | -      | -     | -        | 1     |
|     |                        | - | PLTS Hibrid                             | -    | -    | -    | -     | -      | -     | -        | 1     |
|     |                        | - | PLTMH                                   | -    | -    | -    | -     | -      | -     | 256      | 1     |
| 17  | SULAWESI TENGAH        | - | PLTS                                    | -    | -    | -    | 626   | -      | 1,493 | -        | 880   |
|     |                        | - | PLTMH                                   | -    | -    | 890  | 1     | 890    | 1     | 890      | 1     |
| 18  | SULAWESI SELATAN       | - | PLTS                                    | -    | 150  | -    | 1,635 | -      | 4,686 | -        | 2,600 |
|     |                        | - | PLTS *                                  | -    | -    | -    | 1,800 | -      | -     | -        | -     |
|     |                        | - | PLTMH                                   | -    | -    | -    | -     | -      | -     | 34       | -     |
|     |                        | - | PLTB                                    | -    | -    | -    | -     | -      | 3     | -        | 2     |
| 19  | SULAWESI TENG-<br>GARA | - | PLTS                                    | -    | -    | -    | 1,186 | -      | 2,460 | -        | 2,000 |
| 20  | SULAWESI BARAT         | - | PLTS                                    | -    | -    | -    | -     | -      | -     | -        | -     |
|     |                        | - | PLTMH                                   | -    | -    | -    | -     | -      | -     | -        | -     |
| 21  | MALUKU                 | - | PLTS                                    | -    | -    | -    | 2,290 | -      | 1,494 | -        | 1,220 |
| 22  | MALUKU UTARA           | - | PLTS                                    | -    | 250  | -    | 832   | -      | 1,311 | -        | 1,500 |
| 23  | PAPUA                  | - | PLTS                                    | -    | 825  | -    | 615   | -      | 1,246 | -        | 1,450 |
|     |                        | - | PLTS 10 Wp TERPUSAT                     | -    | -    | -    | -     | -      | 1     | -        | -     |
|     |                        | - | PLTMH                                   | -    | -    | 350  | 2     | -      | -     | -        | -     |
| 24  | NUSA TENGGARA<br>BARAT | - | PLTS                                    | -    | -    | -    | 746   | -      | 1,810 | -        | 1,450 |
|     |                        | - | PLTMH                                   | -    | -    | 100  | 1     | -      | -     | 88       | -     |
|     |                        | - | PLTS Terpusat 15 kWp                    | -    | -    | -    | -     | -      | -     | -        | 1     |
| 25  | NUSA TENGGARA<br>TIMUR | - | PLTS                                    | -    | -    | -    | 2,300 | -      | 2,494 | -        | 2,964 |
|     |                        | - | PLTMH                                   | -    | -    | 50   | 1     | -      | -     | -        | -     |
|     |                        | - | PLTS Terpusat 15 kWp                    | -    | -    | -    | -     | -      | -     | -        | 1     |
| 26  | JAWA TIMUR             | - | PLTS                                    | -    | -    | -    | 366   | -      | 355   | -        | 710   |
|     |                        | - | PLTS 10 Wp TERPUSAT                     | -    | -    | -    | -     | -      | 1     | -        | -     |
|     |                        | - | PLTMH                                   | -    | -    | 100  | 2     | -      | -     | -        | -     |
|     |                        | - | PLTS Terpusat 15 kWp                    | -    | -    | -    | -     | -      | -     | -        | 1     |

|    |                            |   |                                        |    |       |       |        |        |        |          |        |
|----|----------------------------|---|----------------------------------------|----|-------|-------|--------|--------|--------|----------|--------|
| 27 | JAWA TENGAH & DIY          | - | PLTS                                   | -  | 180   | -     | -      | -      | 303    | -        | 500    |
|    |                            | - | PLTS Terpusat 10 kWp                   | -  | -     | -     | -      | -      | 1      | -        | -      |
|    |                            | - | PLTMH                                  | -  | -     | 50    | 1      | 85     | 4      | -        | -      |
|    |                            | - | PLTS Terpusat 15 kWp                   | -  | -     | -     | -      | -      | -      | -        | 1      |
| 28 | JAWA BARAT                 | - | PLTS                                   | -  | -     | -     | -      | -      | 189    | -        | 700    |
|    |                            | - | PLTS Terpusat 10 kWp                   | -  | -     | -     | -      | -      | 1      | -        | -      |
|    |                            | - | PLTMH                                  | -  | -     | 20    | 1      | 67     | 2      | -        | -      |
|    |                            | - | PLTS Terpusat 15 kWp                   | -  | -     | -     | -      | -      | -      | -        | 1      |
| 29 | BANTEN                     | - | PLTS                                   | -  | -     | -     | 215    | -      | 371    | -        | 400    |
|    |                            | - | PLTMH                                  | -  | -     | -     | -      | 40     | 1      | -        | -      |
| 30 | BALI                       | - | PLTS                                   | -  | -     | -     | -      | -      | -      | -        | 550    |
|    |                            | - | PLTMH                                  | -  | -     | -     | -      | -      | -      | -        | -      |
|    |                            | - | PLTB                                   | -  | -     | 80    | -      | 80     | 1      | -        | -      |
|    |                            | - | PLTS Interkoneksi jaringan             | -  | -     | -     | -      | -      | -      | 30       | -      |
| 31 | DKI JAKARTA                | - | PLT HYBRID SURYA<br>ANGIN (KEP SIRIBU) | -  | -     | -     | -      | -      | -      | -        | -      |
|    | DKI JAKARTA (KEP.<br>1000) | - | PLTS Hibrid                            | -  | -     | -     | -      | -      | -      | -        | 2      |
|    |                            | - | PLTS 50 Wp                             | -  | 1,690 | -     | 23,755 | -      | 40,557 | -        | -      |
|    |                            | - | PLTS Terpusat 10 kWp                   | -  | -     | -     | -      | -      | 5      | -        | -      |
|    |                            | - | PLTS Terpusat 15 kWp                   | -  | -     | -     | -      | -      | -      | -        | 7      |
|    | TOTAL                      | - | PLTMH                                  | 40 | 1     | 1,942 | 16     | 1,374  | 12     | 1,635    | 6      |
|    |                            | - | PLTB                                   | -  | -     | 240   | -      | 80     | 5      | -        | 2      |
|    |                            | - | PLT ANGIN HAS 50 W                     | -  | -     | -     | -      | -      | -      | -        | -      |
|    |                            | - | PLT BIODIESEL                          | -  | -     | -     | -      | 27,653 | -      | -        | -      |
|    |                            | - | GENSET                                 | -  | -     | -     | -      | -      | -      | 1,000.00 | 4      |
|    |                            | - | PLTS Hibrid                            | -  | -     | -     | -      | -      | -      | -        | 3      |
|    |                            | - | PLTS                                   | -  | -     | -     | -      | -      | -      | -        | -      |
|    |                            | - | PLTS Interkoneksi jaringan             | -  | -     | -     | -      | -      | -      | 30       | 37,279 |

NB :

PLTS yang dimaksud adalah kapasitas satuan modulnya 50 Wp

\*) adalah kapasitas satuan modulnya 10 Wp



**TABEL 7**  
**JUMLAH UNIT PEMBANGKIT TENAGA LISTRIK PLN PER JENIS PEMBANGKIT PER WILAYAH PER WILAYAH 2008**  
**PLN'S NUMBER OF UNIT POWER PLANT BY TYPE OF POWER PLANT AND BY REGION 2008**  
**(UNIT)**

| No<br>Nr. | WILAYAH<br>PROPINSI              | REGION<br>PROVINCE               | PLTA<br>HYDRO | PLTU<br>STEAM | PLTG<br>GAS<br>TURBINE | PLTGU-G<br>COMBINED<br>CYCLE | PLT P<br>GEO-<br>THERMAL | PLTD<br>DIE-<br>SEL | PLTM-G<br>MACHINE-<br>GAS | PLT Bayu<br>WIND<br>POWER | JUMLAH<br>TOTAL |
|-----------|----------------------------------|----------------------------------|---------------|---------------|------------------------|------------------------------|--------------------------|---------------------|---------------------------|---------------------------|-----------------|
| 1         | Nanggroe Aceh Darussalam         | Nanggroe Aceh Darus-salam        | 2             | -             | -                      | -                            | -                        | 212                 | -                         | -                         | 214             |
| 2         | Sumatera Utara                   | North Sumatera                   | -             | -             | -                      | -                            | -                        | 7                   | -                         | -                         | 7               |
| 3         | Sumatera Barat                   | West Sumatera                    | 3             | -             | -                      | -                            | -                        | 186                 | -                         | -                         | 189             |
| 4         | Riau                             | Riau                             | -             | -             | -                      | -                            | -                        | 373                 | -                         | -                         | 373             |
| 5         | Sumatera Selatan                 | South Sumatera                   | -             | -             | -                      | -                            | -                        | 102                 | -                         | -                         | 102             |
| 6         | Jambi                            | Jambi                            | -             | -             | -                      | -                            | -                        | 154                 | -                         | -                         | 154             |
| 7         | Bengkulu                         | Bengkulu                         | 2             | -             | -                      | -                            | -                        | 91                  | -                         | -                         | 93              |
| 8         | Bangka Belitung                  | Bangka Belitung                  | -             | -             | -                      | -                            | -                        | 85                  | -                         | -                         | 85              |
| 9         | Lampung                          | Lampung                          | -             | -             | -                      | -                            | -                        | 40                  | -                         | -                         | 40              |
| 10        | Kalimantan Barat                 | West Kalimantan                  | -             | -             | 1                      | -                            | -                        | 302                 | -                         | -                         | 303             |
| 11        | Kalimantan Selatan               | South Kalimantan                 | 3             | 2             | 1                      | -                            | -                        | 126                 | -                         | -                         | 132             |
| 12        | Kalimantan Tengah                | Centre Kalimantan                | -             | -             | -                      | -                            | -                        | 282                 | -                         | -                         | 282             |
| 13        | Kalimantan Timur                 | East Kalimantan                  | -             | 2             | 1                      | 3                            | -                        | 368                 | -                         | -                         | 374             |
| 14        | Sulawesi Utara                   | North Sulawesi                   | 11            | -             | -                      | -                            | 2                        | 149                 | -                         | -                         | 162             |
| 15        | Gorontalo                        | Gorontalo                        | -             | -             | -                      | -                            | -                        | 41                  | -                         | -                         | 41              |
| 16        | Sulawesi Tengah                  | Centre Sulawesi                  | 6             | -             | -                      | -                            | -                        | 262                 | -                         | -                         | 268             |
| 17        | Sulawesi Selatan                 | South Sulawesi                   | 7             | 2             | 5                      | -                            | -                        | 97                  | -                         | -                         | 111             |
| 18        | Sulawesi Tenggara                | South East Sulawesi              | 2             | -             | -                      | -                            | -                        | 159                 | -                         | -                         | 161             |
| 19        | Sulawesi Barat                   | West Sulawesi                    | -             | -             | -                      | -                            | -                        | 33                  | -                         | -                         | 33              |
| 20        | Maluku                           | Maluku                           | -             | -             | -                      | -                            | -                        | 184                 | -                         | -                         | 184             |
| 21        | Maluku Utara                     | North Maluku                     | -             | -             | -                      | -                            | -                        | 321                 | -                         | -                         | 321             |
| 22        | Papua                            | Papua                            | 9             | -             | -                      | -                            | -                        | 390                 | -                         | -                         | 399             |
| 23        | Distribusi Bali                  | Dist. Bali                       | -             | -             | -                      | -                            | -                        | 14                  | -                         | 3                         | 17              |
| 24        | Nusa Tenggara Barat              | West Nusa Tenggara               | -             | -             | -                      | -                            | -                        | 140                 | -                         | -                         | 140             |
| 25        | Nusa Tenggara Timur              | East Nusa Tenggara               | 2             | -             | -                      | -                            | -                        | 335                 | -                         | -                         | 337             |
| 26        | PT PLN Batam                     | PT PLN BATAM                     | -             | -             | -                      | -                            | -                        | 22                  | -                         | -                         | 22              |
| 27        | PT PLN Tarakan                   | PT PLN TARAkan                   | -             | -             | -                      | -                            | -                        | 9                   | 2                         | -                         | 11              |
| 28        | Kit Sumbagut                     | Kit Sumbagut                     | 20            | 5             | 11                     | 6                            | -                        | 40                  | -                         | -                         | 82              |
| 29        | Kit Sumbagsel                    | Kit Sumbagsel                    | 24            | 10            | 15                     | 1                            | -                        | 46                  | -                         | -                         | 96              |
|           | LUAR JAWA                        | OUT SIDE JAVA                    | 91            | 21            | 34                     | 10                           | 2                        | 4,570               | 2                         | 3                         | 4,733           |
| 30        | Dist. Jawa Timur                 | Dist. East Java                  | 3             | -             | -                      | -                            | -                        | 46                  | -                         | 1                         | 50              |
| 31        | Jawa Tengah                      | Dist. Central Java               | 2             | -             | -                      | -                            | -                        | -                   | -                         | -                         | 2               |
| 32        | Yogyakarta                       | D.I Yogyakarta                   | 1             | -             | -                      | -                            | -                        | -                   | -                         | -                         | 1               |
| 33        | Jawa Barat                       | West Java                        | 4             | -             | -                      | -                            | -                        | -                   | -                         | -                         | 4               |
| 34        | Banten                           | Banten                           | -             | -             | -                      | -                            | -                        | 2                   | -                         | -                         | 2               |
| 35        | Dist. Jakarta Raya dan Tangerang | Dist. Jakarta Raya dan Tangerang | -             | -             | -                      | -                            | -                        | -                   | -                         | -                         | -               |
| 36        | PT Indonesia Power               | PT Indonesia Power               | 54            | 14            | 18                     | 20                           | 7                        | 17                  | -                         | -                         | 130             |
| 37        | PT PJB                           | PT PJB                           | 34            | 11            | 6                      | 22                           | -                        | -                   | -                         | -                         | 73              |
| 38        | P3B Jawa Bali                    | Pembangkitan Muara Tawar         | -             | -             | -                      | -                            | -                        | -                   | -                         | -                         | -               |
| 38        | Pembangkitan Muara Tawar         | Pembangkitan Muara Tawar         | -             | -             | -                      | 6                            | -                        | -                   | -                         | -                         | 6               |
| 39        | Pembangkitan Cilegon             | Pembangkitan Cilegon             | -             | -             | -                      | 3                            | -                        | -                   | -                         | -                         | 3               |
| 40        | Pembangkitan Tanjung Jati B      | Pembangkitan Tanjung Jati B      | -             | 2             | -                      | -                            | -                        | -                   | -                         | -                         | 2               |
|           | JAWA                             | JAWA                             | 98            | 27            | 24                     | 51                           | 7                        | 65                  | -                         | 1                         | 273             |
|           | INDONESIA                        | INDONESIA                        | 189           | 48            | 58                     | 61                           | 9                        | 4,635               | 2                         | 4                         | 5,006           |

Catatan / Note :  
 Jumlah PLTD PT PLN Tarakan, termasuk PLTD/G (Diesel Gas/Dual Fuel) / IP mengubah PLTGU Grati dan PLTGU Pemaron menjadi PLTG  
 Number of PLTD PT PLN Tarakan is include PLTD/G (Diesel/Dual Fuel) IP change PLTGU Grati and PLTGU Pemaron to PLTG

Catatan tahun 2006 / Note in 2006 :  
 Jumlah unit pembangkit mengalami penurunan disebabkan koreksi angka dari Wil. NTT.  
 Pada th 2005 jumlah unit pembangkit Wil NTT sebesar 560 unit, tetapi pada th 2007 dikoreksi menjadi 394 unit pembangkit  
 Number of unit power plant is discreded cause of correction on NTT  
 In 2005 Number of unit power plant NTT is 560, but in 2006 is corrected to 394

**TABEL 8**  
**DAYA MAMPU KAPASITAS TERPASANG PEMBANGKIT TENAGA LISTRIK PLN**  
**RATED CAPACITY OF POWER PLANT**  
**(MW)**

| TAHUN<br>YEAR | PLTA<br>HYDRO<br>PP | PLTU<br>STEAM<br>PP | PLTG<br>GAS PP | PLTGU<br>COMBINED<br>CYCLE PP | PLTP<br>GEOTHERMAL PP | PLTD*)<br>DIESEL<br>PP | PLT Bayu<br>WIND POWER | JUMLAH<br>TOTAL |
|---------------|---------------------|---------------------|----------------|-------------------------------|-----------------------|------------------------|------------------------|-----------------|
| 1997          | 2,409.01            | 6,107.00            | 992.25         | 5,563.54                      | 360.00                | 1,792.09               | -                      | 17,223.89       |
| 1998          | 2,994.64            | 6,700.40            | 1,086.86       | 6,463.09                      | 360.00                | 1,649.36               | -                      | 19,254.35       |
| 1999          | 2,985.10            | 6,671.50            | 997.81         | 6,264.09                      | 360.00                | 1,890.45               | -                      | 19,168.95       |
| 2000          | 2,747.42            | 6,508.31            | 901.90         | 6,456.13                      | 360.00                | 1,692.64               | -                      | 18,666.40       |
| 2001          | 2,952.45            | 6,502.28            | 1,054.82       | 6,306.19                      | 379.62                | 1,694.48               | -                      | 18,889.84       |
| 2002          | 2,836.16            | 6,144.17            | 861.99         | 6,074.35                      | 379.88                | 1,657.33               | -                      | 17,953.88       |
| 2003          | 3,122.93            | 6,185.50            | 1,457.00       | 5,923.40                      | 360.00                | 1,730.41               | -                      | 18,779.24       |
| 2004          | 2,991.63            | 5,934.52            | 1,435.89       | 5,609.65                      | 359.16                | 1,713.02               | -                      | 18,043.87       |
| 2005          | 3,079.53            | 5,657.07            | 2,829.11       | 5,854.39                      | 339.86                | 1,776.42               | -                      | 19,536.38       |
| 2006          | 3,283.24            | 7,608.16            | 2,323.48       | 6,493.77                      | 373.71                | 1,937.27               | -                      | 22,019.63       |
| 2007          | 3,409.12            | 7,748.73            | 2,455.87       | 6,165.33                      | 388.00                | 1,885.56               | -                      | 22,052.61       |
| 2008          | 3,397.87            | 7,406.12            | 2,173.79       | 6,399.79                      | 394.00                | 1,808.53               | 0.26                   | 21,580.36       |

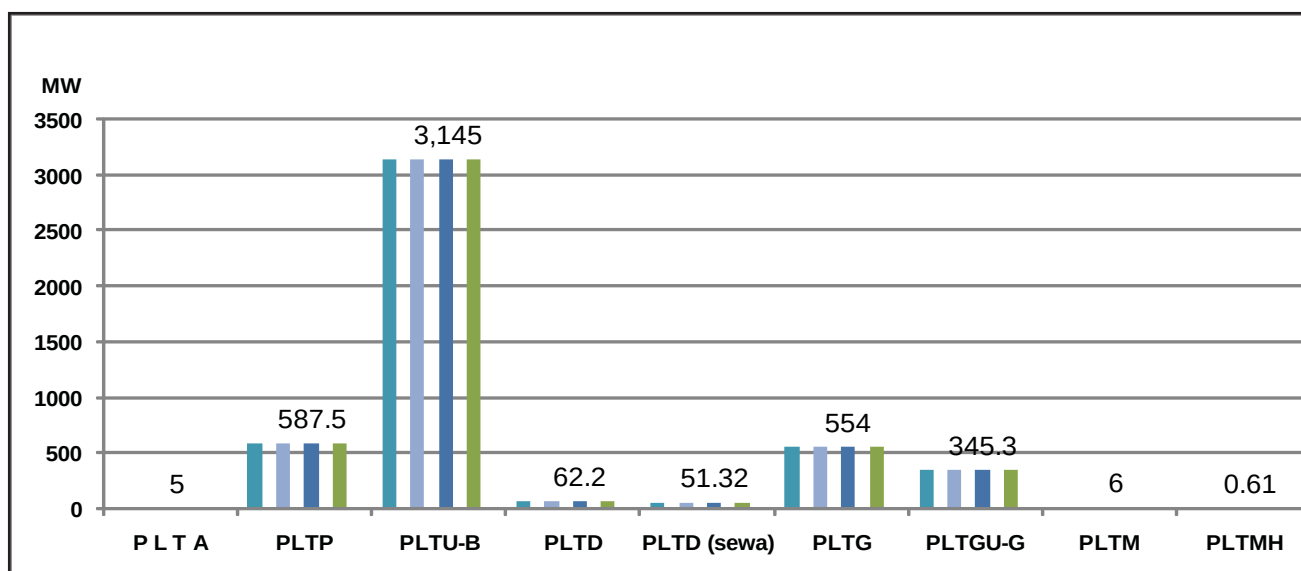
Catatan/Note : \*) Termasuk PLTMG, mulai tahun 2004/include PLTMG since 1994

**TABEL 9**  
**PEMBANGKIT TENAGA LISTRIK SWASTA PER WILAYAH 2008**  
**THE PRIVATE POWER BY REGION 2008**  
**(MW)**

| REGION           | PROVINCE        | PLTA<br>HYDRO | PLTP<br>GEOTHERMAL | PLTU-B<br>STEAM<br>COAL | PLTD<br>DIESEL |       |    | PLTG<br>Natural Gas | PLTGU-G<br>COMBINED<br>CYCLE | PLTM<br>MINI-<br>HYDRO | PLTMH<br>MICRO-<br>HYDRO | JUMLAH<br>TOTAL |
|------------------|-----------------|---------------|--------------------|-------------------------|----------------|-------|----|---------------------|------------------------------|------------------------|--------------------------|-----------------|
| ACEH             | Aceh            | -             | -                  | 15.00                   | -              |       |    | -                   | -                            | -                      | -                        | 15.00           |
| SUMATERA SELATAN | South Sumatera  | -             | -                  | -                       | -              |       |    | 80.00               | 150.00                       | -                      | -                        | 230.00          |
| SUMATERA UTARA   | South Sumatera  | -             | -                  | -                       | -              |       |    | -                   | -                            | -                      | -                        | 12.50           |
| KALIMANTAN TIMUR | East Kalimantan | -             | 12.50              | 50.00                   | -              |       |    | -                   | -                            | -                      | -                        | 50.00           |
| SULAWESI SELATAN | South Sulawesi  | 5.00          | -                  | -                       | 62.20          | 51.32 | *) | -                   | 195.30                       | -                      | -                        | 313.82          |
| SULAWESI TENGAH  | Center Sulawesi | -             | -                  | 30.00                   | -              |       |    | -                   | -                            | 3.00                   | -                        | 33.00           |
| SULAWESI UTARA   | North Sulawesi  | -             | -                  | -                       | -              |       |    | -                   | -                            | 3.00                   | -                        | 3.00            |
| JAWA TIMUR       | East Jawa       | -             | -                  | 2,450.00                | -              |       |    | -                   | -                            | -                      | 0.25                     | 2450.25         |
| JAWA TENGAH      | Central Jawa    | -             | 60.00              | 600.00                  | -              |       |    | -                   | -                            | -                      | 0.14                     | 660.14          |
| JAWA BARAT       | West Jawa       | -             | 515.00             | -                       | -              |       |    | 474.00              | -                            | -                      | 0.22                     | 989.22          |
| JUMLAH           | TOTAL           | 5.00          | 587.50             | 3,145.00                | 62.20          | 51.32 |    | 554.00              | 345.30                       | 6.00                   | 0.61                     | 4,756.93        |

\* Sewa Pembangkit

**PEMBANGKIT TENAGA LISTRIK SWASTA PER WILAYAH TAHUN 2008**



**TABEL 10**  
**DAYA MAMPU KAPASITAS TERPASANG PEMBANGKIT TENAGA LISTRIK PLN PER JENIS PEMBANGKIT PER WILAYAH 2008**  
**RATED CAPACITY OF POWER PLANT BY TYPE AND BY REGION 2008**

| NO.<br>Nr. | WILAYAH / PROPINSI               | REGION / PROVINCE                | PLTA<br>HYDRO | PLTU<br>STEAM | PLTG<br>GAS<br>TURBINE |
|------------|----------------------------------|----------------------------------|---------------|---------------|------------------------|
| 1          | Nanggroe Aceh Darussalam         | Nanggroe Aceh Darussalam         | 0.18          | -             | -                      |
| 2          | Sumatera Utara                   | North Sumatera                   | -             | -             | -                      |
| 3          | Sumatera Barat                   | West Sumatera                    | 0.40          | -             | -                      |
| 4          | Riau                             | Riau                             | -             | -             | -                      |
| 5          | Sumatera Selatan                 | South Sumatera                   | -             | -             | -                      |
| 6          | Jambi                            | Jambi                            | -             | -             | -                      |
| 7          | Bengkulu                         | Bengkulu                         | 1.57          | -             | -                      |
| 8          | Bangka Belitung                  | Bangka Belitung                  | -             | -             | -                      |
| 9          | Lampung                          | Lampung                          | -             | -             | -                      |
| 10         | Kalimantan Barat                 | West Kalimantan                  | -             | -             | 31.00                  |
| 11         | Kalimantan Selatan               | South Kalimantan                 | 30.00         | 126.00        | 18.00                  |
| 12         | Kalimantan Tengah                | Centre Kalimantan                | -             | -             | -                      |
| 13         | Kalimantan Timur                 | East Kalimantan                  | -             | 7.50          | -                      |
| 14         | Sulawesi Utara                   | North Sulawesi                   | 51.30         | -             | -                      |
| 15         | Gorontalo                        | Gorontalo                        | -             | -             | -                      |
| 16         | Sulawesi Tengah                  | Centre Sulawesi                  | 4.10          | -             | -                      |
| 17         | Sulawesi Selatan                 | South Sulawesi                   | 145.96        | 10.00         | 53.00                  |
| 18         | Sulawesi Tenggara                | South East Sulawesi              | 1.47          | -             | -                      |
| 19         | Sulawesi Barat                   | West Sulawesi                    | -             | -             | -                      |
| 20         | Maluku                           | Maluku                           | -             | -             | -                      |
| 21         | Maluku Utara                     | North Maluku                     | -             | -             | -                      |
| 22         | Papua                            | Papua                            | 3.45          | -             | -                      |
| 23         | Distribusi Bali                  | Dist. Bali                       | -             | -             | -                      |
| 24         | Nusa Tenggara Barat              | West Nusa Tenggara               | -             | -             | -                      |
| 25         | Nusa Tenggara Timur              | East Nusa Tenggara               | 0.95          | -             | -                      |
| 26         | PT PLN Batam                     | PT PLN BATAM                     | -             | -             | -                      |
| 27         | PT PLN Tarakan                   | PT PLN TARAkan                   | -             | -             | -                      |
| 28         | Kit Sumbagut                     | Kit Sumbagut                     | 227.36        | 316.42        | 85.28                  |
| 29         | Kit Sumbagsel                    | Kit Sumbagsel                    | 601.06        | 485.00        | 317.82                 |
| 30         | P3B Sumatera                     | P3B Sumatera                     | -             | -             | -                      |
|            | LUAR JAWA                        | OUT SIDE JAVA                    | 1,067.80      | 937.42        | 505.10                 |
| 31         | Dist. Jawa Timur                 | Dist. East Java                  | 2.20          | -             | -                      |
| 32         | Dist. Jawa Tengah                | Dist. Central Java               | 0.32          | -             | -                      |
| 33         | D.I. Yogyakarta                  | D.I Yogyakarta                   | 0.20          | -             | -                      |
| 34         | Dist. Jawa Barat                 | West Java                        | -             | -             | -                      |
| 35         | Dist. Banten                     | Banten                           | -             | -             | -                      |
| 36         | Dist. Jakarta Raya dan Tangerang | Dist. Jakarta Raya dan Tangerang | -             | -             | -                      |
| 37         | PT Indonesia Power               | PT Indonesia Power               | 1,097.97      | 3,589.60      | 764.69                 |
| 38         | PT PJB                           | PT PJB                           | 1,229.38      | 1,459.10      | 64.00                  |
| 39         | P3B Jawa Bali                    | P3B Jawa Bali                    | -             | -             | -                      |
| 40         | Pembangkitan Muara Tawar         | Pembangkitan Muara Tawar         | -             | -             | 840.00                 |
| 41         | Pembangkitan Cilegon             | Pembangkitan Cilegon             | -             | -             | -                      |
| 42         | Pembangkitan Tanjung Jati B      | Pembangkitan Tanjung Jati B      | -             | 1,420.00      | -                      |
|            | J a w a                          | J A V A                          | 2,330.07      | 6,468.70      | 1,668.69               |
|            | I n d o n e s i a                | INDONESIA                        | 3,397.87      | 7,406.12      | 2,173.79               |

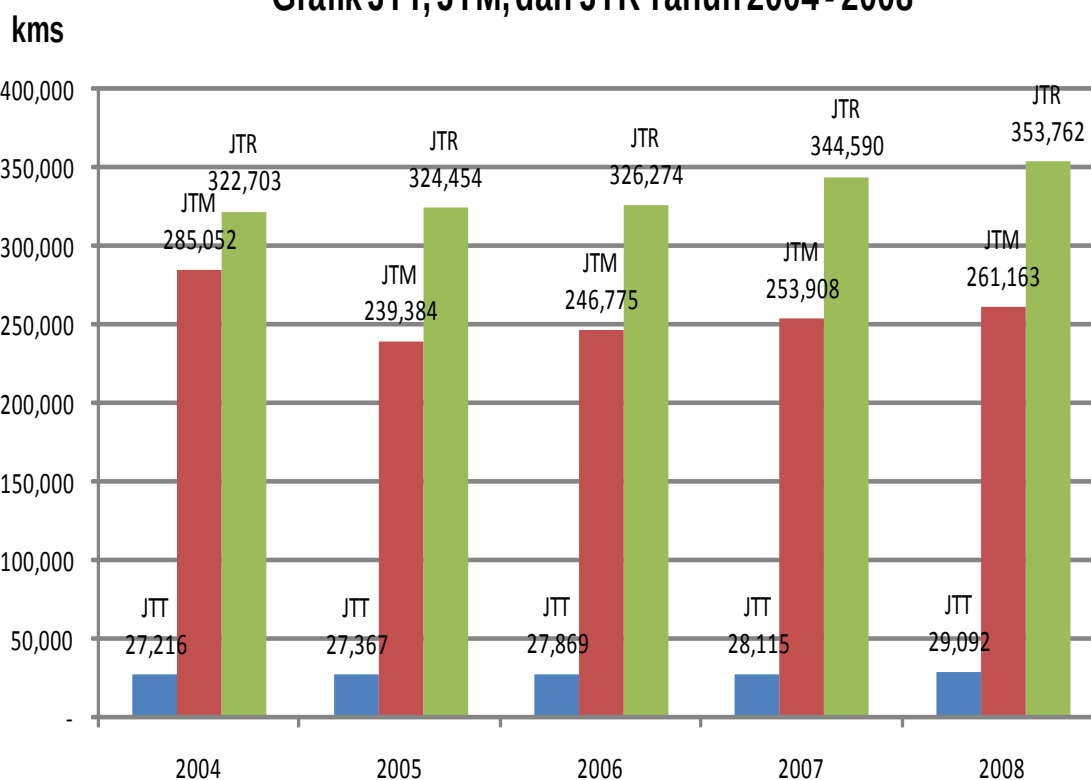
| PLTGU-G<br>COMBINED<br>CYCLE | PLT P<br>GEOTHERMAL | PLT D<br>DIESEL | PLTM-G<br>MACHINE-GAS | PLT Bayu<br>WIND POWER | JUMLAH<br>TOTAL | (%)    |
|------------------------------|---------------------|-----------------|-----------------------|------------------------|-----------------|--------|
| -                            | -                   | 101.11          | -                     | -                      | 101.29          | 0.46   |
| -                            | -                   | 0.50            | -                     | -                      | 0.50            | 0.00   |
| -                            | -                   | 27.70           | -                     | -                      | 28.10           | 0.13   |
| -                            | -                   | 99.56           | -                     | -                      | 99.56           | 0.45   |
| -                            | -                   | 8.08            | -                     | -                      | 8.08            | 0.04   |
| -                            | -                   | 18.71           | -                     | -                      | 18.71           | 0.05   |
| -                            | -                   | 13.03           | -                     | -                      | 14.60           | 0.05   |
| -                            | -                   | 52.03           | -                     | -                      | 52.03           | 0.39   |
| -                            | -                   | 1.74            | -                     | -                      | 1.74            | 0.02   |
| -                            | -                   | 154.68          | -                     | -                      | 185.68          | 0.85   |
| -                            | -                   | 99.25           | -                     | -                      | 273.25          | 1.25   |
| -                            | -                   | 60.72           | -                     | -                      | 60.72           | 0.28   |
| 56.00                        | -                   | 147.43          | -                     | -                      | 210.93          | 1.05   |
| -                            | 40.00               | 50.70           | -                     | -                      | 142.00          | 0.65   |
| -                            | -                   | 19.51           | -                     | -                      | 19.51           | 0.09   |
| -                            | -                   | 66.36           | -                     | -                      | 70.46           | 0.32   |
| -                            | -                   | 57.54           | -                     | -                      | 266.50          | 1.22   |
| -                            | -                   | 44.21           | -                     | -                      | 45.68           | 0.21   |
| -                            | -                   | 2.12            | -                     | -                      | 2.12            | 0.01   |
| -                            | -                   | 66.28           | -                     | -                      | 66.28           | 0.30   |
| -                            | -                   | 26.93           | -                     | -                      | 26.93           | 0.12   |
| -                            | -                   | 89.54           | -                     | -                      | 92.99           | 0.42   |
| -                            | -                   | 2.71            | -                     | 0.26                   | 2.97            | 0.01   |
| -                            | -                   | 98.36           | -                     | -                      | 98.36           | 0.45   |
| -                            | -                   | 77.30           | -                     | -                      | 78.25           | 0.36   |
| -                            | -                   | 73.40           | -                     | -                      | 73.40           | 0.34   |
| -                            | -                   | 13.70           | 11.90                 | -                      | 25.60           | 0.11   |
| 665.17                       | -                   | 46.89           | -                     | -                      | 1,341.12        | 6.12   |
| 30.00                        | -                   | 206.00          | -                     | -                      | 1,639.88        | 7.48   |
| -                            | -                   | -               | -                     | -                      | -               | -      |
| 751.17                       | 40.00               | 1,726.09        | 11.90                 | 0.26                   | 5,039.74        | 23.24  |
| -                            | -                   | 9.37            | -                     | -                      | 11.57           | 0.05   |
| -                            | -                   | -               | -                     | -                      | 0.32            | 0.00   |
| -                            | -                   | -               | -                     | -                      | 0.20            | 0.00   |
| -                            | -                   | -               | -                     | -                      | -               | -      |
| -                            | -                   | 0.17            | -                     | -                      | 0.17            | 0.00   |
| -                            | -                   | -               | -                     | -                      | -               | -      |
| 2,411.72                     | 354.00              | 61.00           | -                     | -                      | 8,278.97        | 37.79  |
| 2,766.90                     | -                   | -               | -                     | -                      | 5,796.00        | 26.45  |
| -                            | -                   | -               | -                     | -                      | -               | -      |
| -                            | -                   | -               | -                     | -                      | 840.00          | 3.83   |
| 470.00                       | -                   | -               | -                     | -                      | 470.00          | 2.15   |
| -                            | -                   | -               | -                     | -                      | 1,420.00        | 6.48   |
| 5,648.62                     | 354.00              | 70.54           | -                     | -                      | 16,540.62       | 76.76  |
| 6,399.79                     | 394.00              | 1,796.63        | 11.90                 | 0.26                   | 21,580.36       | 100.00 |

TABEL 11  
JARINGAN TRANSMISI DAN DISTRIBUSI PLN  
PLN'S TRANSMISSION AND DISTRIBUTION LINES

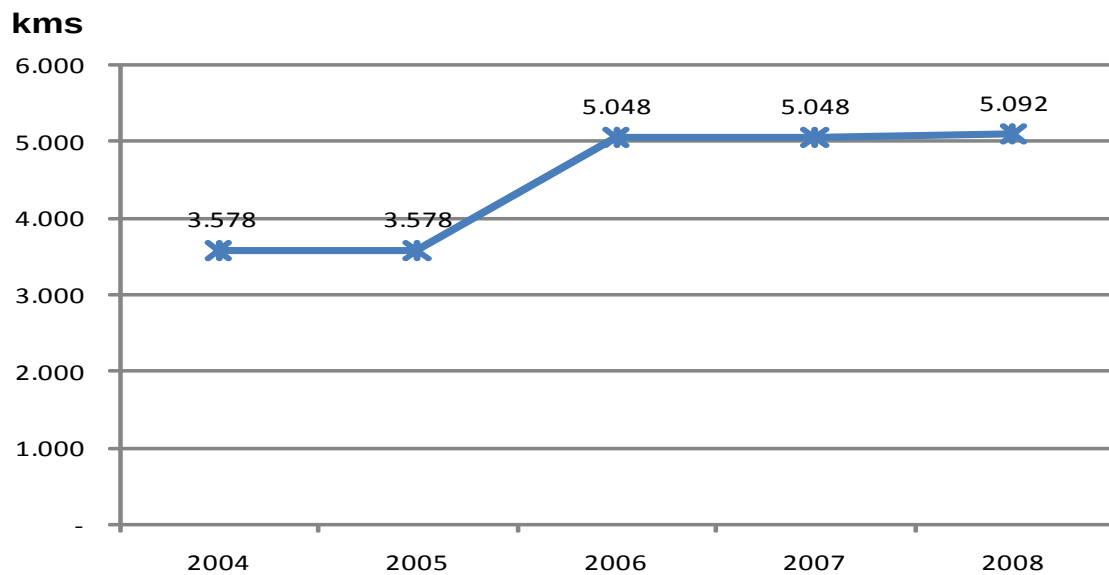
| TAHUN<br>YEAR | SARANA TRANSMISI / TRANSMISSION LINES |                                     |                                     | DISTRIBUSI DISTRIBUTION LINES         |                                    |                                                     |
|---------------|---------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------|------------------------------------|-----------------------------------------------------|
|               | JTET<br>500 kV<br>(kms)/(kmc)         | JTT<br>(25 - 150) kV<br>(kms)/(kmc) | GARDU INDUK<br>SUB STATION<br>(MVA) | JTM<br>MEDIUM<br>VOLTAGE<br>(kms/kmc) | JTR<br>LOW<br>VOLTAGE<br>(kms/kmc) | GARDU DIST.<br>DISTRIBUTION<br>SUB STATION<br>(MVA) |
| 2000          | 2,774.00                              | 22,047.00                           | 46,958.00                           | 214,311.00                            | 287,531.02                         | 27,550.53                                           |
| 2001          | 2,849.00                              | 23,139.84                           | 50,486.00                           | 222,355.09                            | 296,743.96                         | 28,585.03                                           |
| 2002          | 3,207.00                              | 24,363.25                           | 51,845.00                           | 228,002.86                            | 307,867.39                         | 29,712.66                                           |
| 2003          | 3,607.61                              | 24,565.33                           | 53,400.00                           | 233,381.60                            | 313,828.78                         | 30,255.52                                           |
| 2004          | 3,578.27                              | 27,215.70                           | 54,128.00                           | 285,052.17                            | 322,702.79                         | 30,595.13                                           |
| 2005*         | 3,578.27                              | 27,367.21                           | 53,976.00                           | 239,384.16                            | 324,454.18                         | 29,013.33                                           |
| 2006          | 5,047.78                              | 27,869.05                           | 54,527.00                           | 246,775.43                            | 326,274.01                         | 32,873.70                                           |
| 2007          | 5,047.78                              | 28,115.09                           | 58,713.00                           | 253,908.02                            | 344,589.67                         | 33,826.37                                           |
| 2008          | 5,092.00                              | 29,091.85                           | 59,508.00                           | 261,163.20                            | 353,762.00                         | 32,244.40                                           |

\* terjadi penurunan akibat bencana tsunami di Aceh

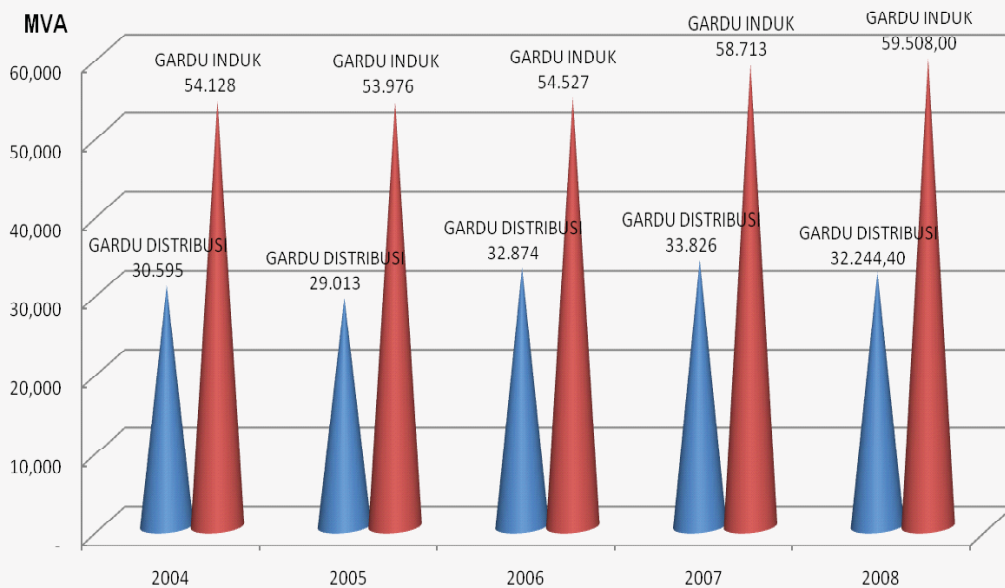
**Grafik JTT, JTM, dan JTR Tahun 2004 - 2008**



**Grafik Jaringan Tegangan Ekstra Tinggi (JTET)  
Tahun 2004 - 2008**



**Grafik Gardu Induk dan Gardu Distribusi  
Tahun 2004 - 2008**



**TABEL 12**  
**JARINGAN TRANSMISI PLN TEGANGAN EXTRA TINGGI PER WILAYAH 2008**  
*PLN'S TRANSMISSION EXTRA HIGH VOLTAGE LINES BY REGION 2008*

| WILAYAH       | REGION                 | SARANA JARINGAN TRANSMISI TRANSMISSION LINES |                                    |           |
|---------------|------------------------|----------------------------------------------|------------------------------------|-----------|
|               |                        | Jaringan Tegangan Extra Tinggi (JTET) 500 kV | Gardu Induk Sub Station Buah Units | (MVA)     |
| P3B Jawa Bali | <i>P3B Java - Bali</i> | 5,092.00                                     | 35.00                              | 17,000.00 |
| J a w a       | <i>J a v a</i>         | 5,092.00                                     | 35.00                              | 17,000.00 |

TABEL 13  
JARINGAN TRANSMISI PLN TEGANGAN TINGGI PER WILAYAH 2008  
PLN'S TRANSMISSION HIGH VOLTAGE LINES BY REGION 2008

| WIILAYAH                         | REGION                     | SARANA JARINGAN TRANSMISI/TRANSMISSION LINES   |            |       |          |            |          | 150 kV    |
|----------------------------------|----------------------------|------------------------------------------------|------------|-------|----------|------------|----------|-----------|
|                                  |                            | JARINGAN TEGANGAN TINGGI (JTT) DAN GARDU INDUK |            |       |          |            |          |           |
|                                  |                            | 25 - 30 kV                                     |            |       | 70 kV    |            |          |           |
|                                  |                            | Kms                                            | Buah Units | (MVA) | Kms      | Buah Units | (MVA)    | Kms       |
| Nanggroe Aceh Darus-salam        | Nanggroe Aceh Darussalam   | -                                              | -          | -     | -        | -          | -        | -         |
| Sumatera Utara                   | North Sumatera             | -                                              | -          | -     | -        | -          | -        | -         |
| Sumatera Barat                   | West Sumatera              | -                                              | -          | -     | -        | -          | -        | -         |
| Riau                             | Riau                       | -                                              | -          | -     | -        | -          | -        | -         |
| Kepulauan Riau                   | Riau Island                | -                                              | -          | -     | -        | -          | -        | -         |
| Sumatera Selatan                 | South Sumatera             | -                                              | -          | -     | -        | -          | -        | -         |
| Jambi                            | Jambi                      | -                                              | -          | -     | -        | -          | -        | -         |
| Bengkulu                         | Bengkulu                   | -                                              | -          | -     | -        | -          | -        | -         |
| Bangka Belitung                  | Bangka Belitung            | -                                              | -          | -     | -        | -          | -        | -         |
| Lampung                          | Lampung                    | -                                              | -          | -     | -        | -          | -        | -         |
| Kalimantan Barat                 | West Kalimantan            | -                                              | -          | -     | -        | -          | -        | 154,00    |
| Kalimantan Selatan               | South Kalimantan           | -                                              | -          | -     | 123,10   | 16,00      | 157,00   | 818,20    |
| Kalimantan Tengah                | Centre Kalimantan          | -                                              | -          | -     | -        | -          | -        | -         |
| Kalimantan Timur                 | East Kalimantan            | -                                              | -          | -     | -        | -          | -        | 333,20    |
| Sulawesi Utara                   | North Sulawesi             | 0,77                                           | 2,00       | 18,00 | 336,37   | 20,00      | 226,00   | 264,60    |
| Gorontalo                        | Gorontalo                  | -                                              | -          | -     | -        | 17,00      | -        | -         |
| Sulawesi Tengah                  | Centre Sulawesi            | -                                              | -          | -     | 17,50    | 3,00       | 60,00    | -         |
| Sulawesi Selatan                 | South Sulawesi             | 11,20                                          | 4,00       | 40,00 | 150,70   | 14,00      | 240,00   | 1.692,38  |
| Sulawesi Tenggara                | South East Sulawesi        | -                                              | -          | -     | -        | -          | -        | -         |
| Sulawesi Barat                   | West Sulawesi              | -                                              | -          | -     | -        | -          | -        | -         |
| Maluku                           | Maluku                     | -                                              | -          | -     | -        | -          | -        | -         |
| Maluku Utara                     | North Maluku               | -                                              | -          | -     | -        | -          | -        | -         |
| Papua                            | Papua                      | -                                              | -          | -     | -        | -          | -        | -         |
| Distribusi Bali                  | Bali                       | -                                              | -          | -     | -        | -          | -        | -         |
| Nusa Tenggara Barat              | West Nusa Tenggara         | -                                              | -          | -     | -        | -          | -        | -         |
| Nusa Tenggara Timur              | East Nusa Tenggara         | -                                              | -          | -     | -        | -          | -        | -         |
| PT PLN Batam                     | Batam                      | -                                              | -          | -     | -        | -          | -        | 149,02    |
| PT PLN Tarakan                   | PT PLN Tarakan             | -                                              | -          | -     | -        | -          | -        | -         |
| Kit Sumbagut                     | Sumbagut                   | -                                              | -          | -     | -        | -          | -        | -         |
| Kit Sumbagsel                    | Sumbagsel                  | -                                              | -          | -     | -        | -          | -        | -         |
| P3B Sumatera                     | P3B of Sumatera            | -                                              | 2,00       | 40,00 | 334,26   | 24,00      | 335,00   | 8.423,20  |
| Luar Jawa                        |                            | 11,97                                          | 8,00       | 98,00 | 961,93   | 74,00      | 1.018,00 | 11.834,60 |
| Dist. Jawa Timur                 | East Java                  | -                                              | -          | -     | -        | -          | -        | -         |
| Jawa Tengah                      | Central Java               | -                                              | -          | -     | -        | -          | -        | -         |
| D.I. Yogyakarta                  | D.I Yogyakarta             | -                                              | -          | -     | -        | -          | -        | -         |
| Jawa Barat                       | West Java                  | -                                              | -          | -     | -        | -          | -        | -         |
| Banten                           | Banten                     | -                                              | -          | -     | -        | -          | -        | -         |
| Dist. Jakarta Raya dan Tangerang | Jakarta Raya dan Tangerang | -                                              | -          | -     | -        | -          | -        | -         |
| PT Indonesia Power               | PT. Indinesia Power        | -                                              | -          | -     | -        | -          | -        | -         |
| PT PJB                           | PT. PJB                    | -                                              | -          | -     | -        | -          | -        | -         |
| P3B Jawa Bali                    | P3B Java - Bali            | -                                              | -          | -     | 3.657,10 | 135,00     | 2.747,00 | 11.844,00 |
| J a w a                          | J a v a                    | -                                              | -          | -     | 3.657,10 | 135,00     | 2.747,00 | 11.844,00 |
| Indonesia                        | Indonesia                  | 11,97                                          | 8,00       | 98,00 | 4.619,03 | 209,00     | 3.765,00 | 23.678,60 |

| 150 kV     |           | 275 kV |            |        | Jumlah          |            |           |
|------------|-----------|--------|------------|--------|-----------------|------------|-----------|
|            |           |        |            |        | JTT GARDU INDUK |            |           |
| Buah Units | (MVA)     | Kms    | Buah Units | (MVA)  | Kms             | Buah Units | (MVA)     |
| -          | -         | -      | -          | -      | -               | -          | -         |
| -          | -         | -      | -          | -      | -               | -          | -         |
| -          | -         | -      | -          | -      | -               | -          | -         |
| -          | -         | -      | -          | -      | -               | -          | -         |
| -          | -         | -      | -          | -      | -               | -          | -         |
| -          | -         | -      | -          | -      | -               | -          | -         |
| -          | -         | -      | -          | -      | -               | -          | -         |
| -          | -         | -      | -          | -      | -               | -          | -         |
| -          | -         | -      | -          | -      | -               | -          | -         |
| -          | -         | -      | -          | -      | -               | -          | -         |
| -          | -         | -      | -          | -      | -               | -          | -         |
| -          | -         | -      | -          | -      | -               | -          | -         |
| 5,00       | 150,00    | -      | -          | -      | 154,00          | 5,00       | 150,00    |
| 23,00      | 604,00    | -      | -          | -      | 941,30          | 39,00      | 761,00    |
| -          | -         | -      | -          | -      | -               | -          | -         |
| 16,00      | 420,00    | -      | -          | -      | 333,20          | 16,00      | 420,00    |
| 6,00       | 160,00    | -      | -          | -      | 601,74          | 28,00      | 404,00    |
| -          | -         | -      | -          | -      | -               | 17,00      | -         |
| -          | -         | -      | -          | -      | 17,50           | 3,00       | 60,00     |
| 38,00      | 873,50    | -      | -          | -      | 1.854,28        | 56,00      | 1.153,50  |
| -          | -         | -      | -          | -      | -               | -          | -         |
| 1,00       | 20,00     | -      | -          | -      | -               | 1,00       | 20,00     |
| -          | -         | -      | -          | -      | -               | -          | -         |
| -          | -         | -      | -          | -      | -               | -          | -         |
| -          | -         | -      | -          | -      | -               | -          | -         |
| 28,00      | 906,00    | -      | -          | -      | -               | 28,00      | 906,00    |
| -          | -         | -      | -          | -      | -               | -          | -         |
| -          | -         | -      | -          | -      | -               | -          | -         |
| 11,00      | 390,00    | -      | -          | -      | 149,02          | 11,00      | 390,00    |
| -          | -         | -      | -          | -      | -               | -          | -         |
| -          | -         | -      | -          | -      | -               | -          | -         |
| -          | -         | -      | -          | -      | -               | -          | -         |
| 146,00     | 4.804,00  | 782,25 | 4,00       | 160,00 | 9.539,71        | 176,00     | 5.339,00  |
| 273,00     | 8.318,00  | 782,25 | 4,00       | 160,00 | 17.005,57       | 359,00     | 9.594,00  |
| -          | -         | -      | -          | -      | -               | -          | -         |
| -          | -         | -      | -          | -      | -               | -          | -         |
| -          | -         | -      | -          | -      | -               | -          | -         |
| -          | -         | -      | -          | -      | -               | -          | -         |
| -          | -         | -      | -          | -      | -               | -          | -         |
| -          | -         | -      | -          | -      | -               | -          | -         |
| -          | -         | -      | -          | -      | -               | -          | -         |
| 615,00     | 30.167,00 | -      | -          | -      | 15.501,10       | 750,00     | 32.914,00 |
| 615,00     | 30.167,00 | -      | -          | -      | 15.501,10       | 750,00     | 32.914,00 |
| 888,00     | 38.485,00 | 782,25 | 4,00       | 160,00 | 29.091,85       | 1.109,00   | 42.508,00 |

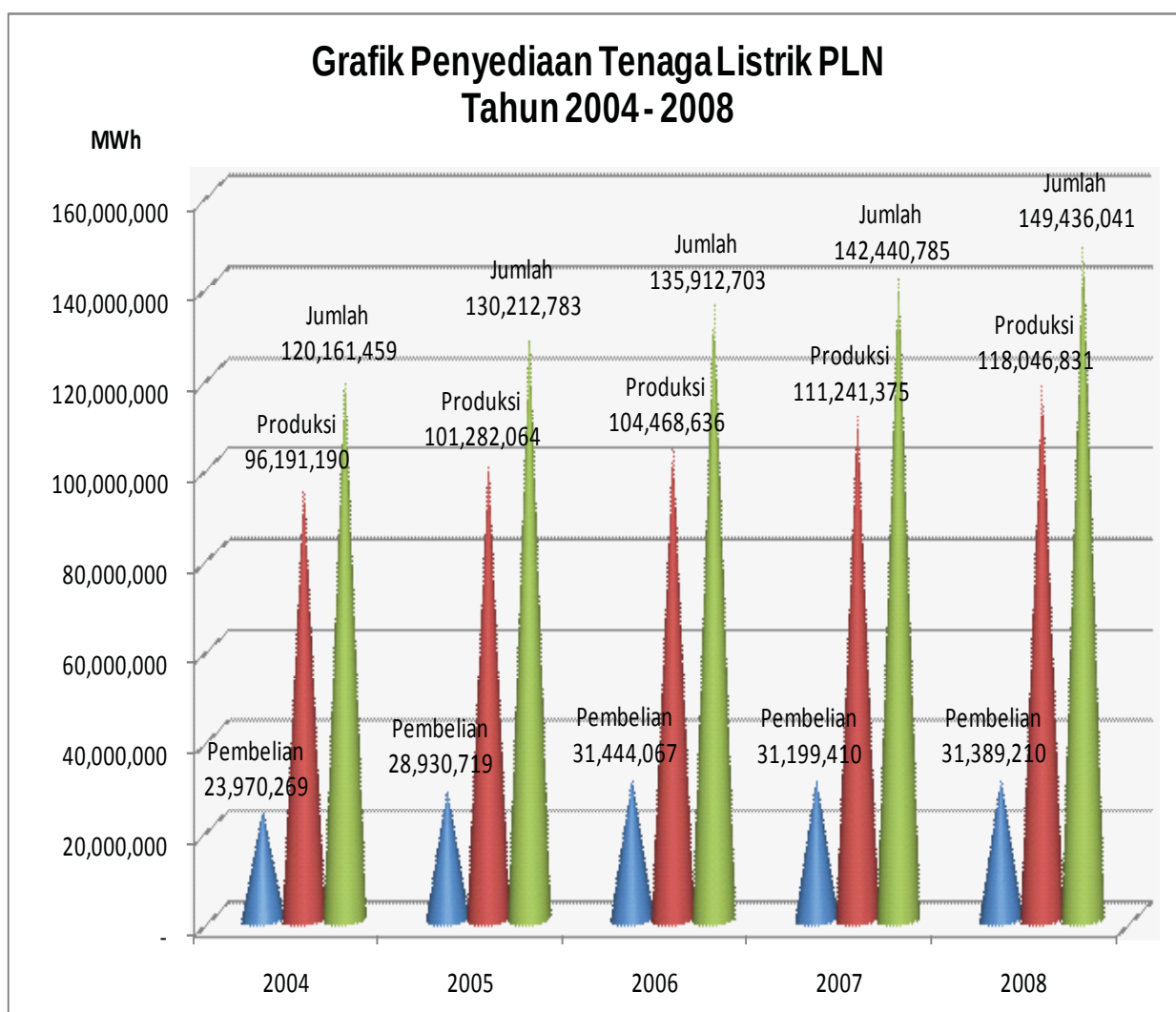


**TABEL 14**  
**PRODUKSI DAN PEMBELIAN TENAGA LISTRIK PLN**  
*PLN'S PRODUCTION AND PURCHASE OF ELECTRICITY*  
(MWh)

| TAHUN<br>YEAR | PRODUKSI / OWN GENERATED |                          |                           |                                      |                            |                      |                             |                             |                              |
|---------------|--------------------------|--------------------------|---------------------------|--------------------------------------|----------------------------|----------------------|-----------------------------|-----------------------------|------------------------------|
|               | PLTA<br>HYDRO<br>PP      | PLTP<br>GEOTHERMAL<br>PP | PLTU-M<br>STEAM<br>OIL PP | PLTU-G<br>STEAM<br>NATURAL<br>GAS PP | PLTU-B<br>STEAM<br>COAL PP | PLTD<br>DIESEL<br>PP | PLTG-M<br>GAS TURBINE<br>PP | PLTG-G<br>NATURAL<br>GAS PP | PLTGU-M<br>COMBINED<br>CYCLE |
| 2000          | 9,109,937.0              | 2,648,636.0              | 6,054,530.0               | 3,597,784.0                          | 28,776,385.0               | 5,667,966.0          | 1,190,517.0                 | 61,116.0                    | 4,647,945.0                  |
| 2001          | 10,651,024.0             | 2,982,118.0              | 6,557,153.0               | 3,489,444.0                          | 29,329,710.0               | 5,752,426.0          | 1,270,898.0                 | 188,490.0                   | 5,597,137.0                  |
| 2002          | 8,833,572.0              | 3,186,983.0              | 8,187,534.0               | 1,531,826.4                          | 29,312,620.5               | 5,984,588.0          | 1,976,311.3                 | 252,443.2                   | 7,667,327.1                  |
| 2003          | 8,472,165.0              | 2,958,626.6              | 9,107,633.0               | 1,333,823.0                          | 31,736,556.0               | 7,646,341.0          | 2,332,250.0                 | 484,217.0                   | 8,820,970.0                  |
| 2004          | 8,942,810.0              | 3,146,540.0              | 9,636,490.0               | 1,202,550.0                          | 30,806,400.0               | 5,422,190.0          | 2,880,470.0                 | 298,860.0                   | 15,126,880.0                 |
| 2005          | 9,830,957.3              | 3,005,507.4              | 8,180,130.0               | 834,900.0                            | 33,253,090.0               | 5,706,957.7          | 2,683,060.0                 | 676,560.0                   | 17,933,670.0                 |
| 2006          | 8,758,622.2              | 3,141,418.6              | 8,574,750.0               | 827,590.0                            | 38,361,980.0               | 8,659,845.0          | 4,343,590.0                 | 883,020.0                   | 16,410,380.0                 |
| 2007          | 10,627,460.0             | 3,188,490.0              | 9,205,650.0               | 1,123,540.0                          | 41,879,630.0               | 8,572,645.3          | 5,032,400.0                 | 115,900.0                   | 16,056,480.0                 |
| 2008          | 10,739,966.8             | 3,390,656.1              | 10,185,772.0              | 855,866.8                            | 41,311,305.5               | 10,101,285.0         | 4,945,182.2                 | 675,740.8                   | 17,498,816.6                 |

Catatan / Note :

\*) Termasuk sewa genset (PLTD dan PLTG) / Included rent of genset (Diesel PP end Natural Gas Turbine)



| PRODUKSI OWN GENERATED       |                             |              |                | JUMLAH<br>PRODUKSI<br>PLN'S PRODUCTION | PEMBELIAN<br>PURCHASE | JUMLAH<br>TOTAL |
|------------------------------|-----------------------------|--------------|----------------|----------------------------------------|-----------------------|-----------------|
| PLTGU-G<br>COMBINED<br>CYCLE | PLTM-G<br>COMBINED<br>CYCLE | PLT<br>SURYA | SEWA<br>GENSET |                                        |                       |                 |
| 21,748,794.0                 | -                           | -            | -              | 83,503,610.0                           | 9,135,136.0           | 92,638,746.0    |
| 21,769,039.0                 | -                           | -            | 767.0          | 87,588,206.0                           | 13,299,206.0          | 100,887,412.0   |
| 21,135,439.3                 | -                           | -            | 1,224,597.0    | 89,293,241.9                           | 19,066,609.3          | 108,359,851.3   |
| 19,588,340.0                 | -                           | -            | -              | 92,480,921.6                           | 20,538,757.9          | 113,019,679.4   |
| 15,573,400.0                 | -                           | -            | 3,154,600.0    | 96,191,190.0                           | 23,970,269.3          | 120,161,459.3   |
| 13,947,260.0                 | 54,243.7                    | -            | 5,175,728.0    | 101,282,064.2                          | 28,930,719.2          | 130,212,783.4   |
| 14,507,440.0                 | -                           | -            | -              | 104,468,635.8                          | 31,444,067.4          | 135,912,703.2   |
| 15,317,910.0                 | 121,270.0                   | -            | -              | 111,241,375.3                          | 31,199,410.0          | 142,440,785.3   |
| 18,231,903.7                 | 110,236.0                   | 100.0        | -              | 118,046,831.4                          | 31,389,210.0          | 149,436,041.4   |

**TABEL 15**  
**JARINGAN DISTRIBUSI PLN TEGANGAN MENENGAH DAN RENDAH PER WILAYAH 2008**  
*PLN'S DISTRIBUTION MEDIUM AND LOW VOLTAGE LINES BY REGION 2008*

| SATUAN PLN PROVINSI                  | REGION                           | SARANA JARINGAN DISTRIBUSI <i>DISTRIBUTION LINES</i><br>JARINGAN TEGANGAN MENENGAH (JTM) |            |       |              |            |
|--------------------------------------|----------------------------------|------------------------------------------------------------------------------------------|------------|-------|--------------|------------|
|                                      |                                  | (6 - 7) KV                                                                               |            |       | (10 - 12) KV |            |
|                                      |                                  | KMS                                                                                      | BUAH UNITS | (MVA) | KMS          | BUAH UNITS |
| WILAYAH NANGGROE ACEH DARUSSALAM     | NANGGROE ACEH DARUSSALAM         | -                                                                                        | -          | -     | -            | -          |
| WILAYAH SUMATERA UTARA               | NORTH SUMATERA                   | -                                                                                        | -          | -     | -            | -          |
| WILAYAH SUMATERA BARAT               | WEST SUMATERA                    | -                                                                                        | -          | -     | -            | -          |
| WILAYAH RIAU                         | RIAU                             | -                                                                                        | -          | -     | -            | -          |
| - RIAU                               | - RIAU                           | -                                                                                        | -          | -     | -            | -          |
| - KEPULAUAN RIAU                     | - RIAU ISLAND                    | -                                                                                        | -          | -     | -            | -          |
| WILAYAH SUMSEL, JAMBI, DAN BENGKULU  | SOUTH SUMATERA                   | -                                                                                        | -          | -     | 2,968.84     | 394.00     |
| - SUMATERA SELATAN                   | - SOUTH SUMATERA                 | -                                                                                        | -          | -     | 2,925.47     | 394.00     |
| - JAMBI                              | - JAMBI                          | -                                                                                        | -          | -     | 20.90        | -          |
| - BENGKULU                           | - BENGKULU                       | -                                                                                        | -          | -     | 22.47        | -          |
| WILAYAH BANGKA BELITUNG              | BANGKA BELITUNG                  | -                                                                                        | 1.00       | 0.20  | -            | -          |
| WILAYAH LAMPUNG                      | LAMPUNG                          | -                                                                                        | -          | -     | -            | -          |
| WILAYAH KALIMANTAN BARAT             | WEST KALIMANTAN                  | -                                                                                        | -          | -     | -            | -          |
| WILAYAH KALSEL DAN KALTENG           | SOUTH KALIMANTAN                 | 231.57                                                                                   | 108.00     | 9.05  | -            | -          |
| - KALIMANTAN SELATAN                 | - SOUTH KALIMANTAN               | 153.98                                                                                   | 88.00      | 7.58  | -            | -          |
| - KALIMANTAN TENGAH                  | - CENTRE KALIMANTAN              | 77.59                                                                                    | 20.00      | 1.47  | -            | -          |
| WILAYAH KALIMANTAN TIMUR             | EAST KALIMANTAN                  | -                                                                                        | -          | -     | -            | -          |
| WILAYAH SULUT, SULTENG DAN GORONTALO | NORTH SULAWESI                   | 46.75                                                                                    | 23.00      | 1.16  | -            | -          |
| - SULAWESI UTARA                     | - NORTH SULAWESI                 | 46.75                                                                                    | 23.00      | 1.16  | -            | -          |
| - GORONTALO                          | - GORONTALO                      | -                                                                                        | -          | -     | -            | -          |
| - SULAWESI TENGAH                    | - CENTRE SULAWESI                | -                                                                                        | -          | -     | -            | -          |
| WILAYAH SULSEL, SULTRA DAN SULBAR    | SOUTH SULAWESI                   | -                                                                                        | 6.00       | 1.41  | -            | 7.00       |
| - SULAWESI SELATAN                   | - SOUTH SULAWESI                 | -                                                                                        | 3.00       | 1.30  | -            | 7.00       |
| - SULAWESI TENGGARA                  | - SOUTH EAST SULAWESI            | -                                                                                        | 3.00       | 0.11  | -            | -          |
| - SULAWESI BARAT                     | - WEST SULAWESI                  | -                                                                                        | -          | -     | -            | -          |
| WILAYAH MALUKU DAN MALUKU UTARA      | MALUKU AND NORTH MALUKU          | -                                                                                        | -          | -     | -            | -          |
| - MALUKU                             | - MALUKU                         | -                                                                                        | -          | -     | -            | -          |
| - MALUKU UTARA                       | - NORTH MALUKU                   | -                                                                                        | -          | -     | -            | -          |
| WILAYAH PAPUA                        | PAPUA                            | -                                                                                        | -          | -     | -            | -          |
| DISTRIBUSI BALI                      | BALI                             | -                                                                                        | -          | -     | -            | -          |
| WILAYAH NUSA TENGGARA BARAT          | WEST NUSA TENGGARA               | -                                                                                        | -          | -     | -            | -          |
| WILAYAH NUSA TENGGARA TIMUR          | EAST NUSA TENGGARA               | -                                                                                        | -          | -     | -            | -          |
| PT PLN BATAM                         | BATAM                            | -                                                                                        | -          | -     | -            | -          |
| PT PLN TARAKAN                       | PT PLN TARAKAN                   | -                                                                                        | -          | -     | -            | -          |
| KIT SUMBAGUT                         | SUMBAGUT                         | -                                                                                        | -          | -     | -            | -          |
| KIT SUMBAGSEL                        | SUMBAGSEL                        | -                                                                                        | -          | -     | -            | -          |
| P3B SUMATERA                         | P3B OF SUMATERA                  | -                                                                                        | -          | -     | -            | -          |
| LUAR JAWA                            |                                  | 278.32                                                                                   | 138.00     | 11.82 | 2,968.84     | 401.00     |
| DIST. JAWA TIMUR                     | EAST JAVA                        | -                                                                                        | -          | -     | -            | -          |
| DIST. JAWA TENGAH DAN YOGYAKARTA     | DIST. JAWA TENGAH DAN YOGYAKARTA | -                                                                                        | -          | -     | -            | -          |
| - JAWA TENGAH                        | CENTRAL JAVA                     | -                                                                                        | -          | -     | -            | -          |
| - D.I. YOGYAKARTA                    | D.I YOGYAKARTA                   | -                                                                                        | -          | -     | -            | -          |
| DIST. JAWA BARAT DAN BANTEN          | DIST. JAWA BARAT DAN BANTEN      | -                                                                                        | -          | -     | -            | -          |
| - JAWA BARAT                         | WEST JAVA                        | -                                                                                        | -          | -     | -            | -          |
| - BANTEN                             | BANTEN                           | -                                                                                        | -          | -     | -            | -          |
| DIST. JAKARTA RAYA DAN TANGERANG     | JAKARTA RAYA DAN TANGERANG       | -                                                                                        | -          | -     | -            | -          |
| PT INDONESIA POWER                   | PT. INDINESIA POWER              | -                                                                                        | -          | -     | -            | -          |
| PT PJB                               | PT. PJB                          | -                                                                                        | -          | -     | -            | -          |
| P3B                                  | P3B JAVA - BALI                  | -                                                                                        | -          | -     | -            | -          |
| J A W A                              | J A V A                          | -                                                                                        | -          | -     | -            | -          |
| I N D O N E S I A                    | I N D O N E S I A                | 278.32                                                                                   | 138.00     | 11.82 | 2,968.84     | 401.00     |

| ARANA JARINGAN DISTRIBUSI <i>DISTRIBUTION LINES</i><br>JARINGAN TEGANGAN MENENGAH (JTM) |            |            |           | SARANA JARINGAN DISTRIBUSI <i>DISTRIBUTION LINES</i> |            |           |            |                                         |            |           |
|-----------------------------------------------------------------------------------------|------------|------------|-----------|------------------------------------------------------|------------|-----------|------------|-----------------------------------------|------------|-----------|
|                                                                                         | (15-20) KV |            |           | JUMLAH<br>JTM, DAN GARDU DISTRIBUSI                  |            |           | JTR < 6 KV | JUMLAH<br>JTM, JTR DAN GARDU DISTRIBUSI |            |           |
| (MVA)                                                                                   | KMS        | BUAH UNITS | (MVA)     | KMS                                                  | BUAH UNITS | (MVA)     | KMS        | KMS                                     | BUAH UNITS | (MVA)     |
| -                                                                                       | 10,801.93  | 5,724.00   | 423.00    | 10,801.93                                            | 5,724.00   | 423.00    | 12,299.00  | 23,100.93                               | 5,724.00   | 423.00    |
| -                                                                                       | 22,851.40  | 17,093.00  | 1,411.00  | 22,851.40                                            | 17,093.00  | 1,411.00  | 24,668.00  | 47,519.40                               | 17,093.00  | 1,411.00  |
| -                                                                                       | 8,852.27   | 5,227.00   | 504.00    | 8,852.27                                             | 5,227.00   | 504.00    | 9,710.00   | 18,562.27                               | 5,227.00   | 504.00    |
| -                                                                                       | 5,881.71   | 5,557.00   | 703.00    | 5,881.71                                             | 5,557.00   | 703.00    | 6,615.00   | 12,496.71                               | 5,557.00   | 703.00    |
| -                                                                                       | 5,021.37   | 4,466.00   | 550.00    | 5,021.37                                             | 4,466.00   | 550.00    | 5,615.10   | 10,636.47                               | 4,466.00   | 550.00    |
| -                                                                                       | 860.34     | 1,091.00   | 153.00    | 860.34                                               | 1,091.00   | 153.00    | 999.90     | 1,860.24                                | 1,091.00   | 153.00    |
| 93.68                                                                                   | 11,015.16  | 8,721.00   | 949.32    | 13,984.00                                            | 9,115.00   | 1,043.00  | 12,494.00  | 26,478.00                               | 9,115.00   | 1,043.00  |
| 93.68                                                                                   | 4,724.32   | 5,031.00   | 578.32    | 7,649.79                                             | 5,425.00   | 672.00    | 7,303.06   | 14,952.85                               | 5,425.00   | 672.00    |
| -                                                                                       | 3,650.10   | 2,381.00   | 250.54    | 3,671.00                                             | 2,381.00   | 250.54    | 2,848.90   | 6,519.90                                | 2,381.00   | 250.54    |
| -                                                                                       | 2,640.74   | 1,309.00   | 120.46    | 2,663.21                                             | 1,309.00   | 120.46    | 2,342.04   | 5,005.25                                | 1,309.00   | 120.46    |
| -                                                                                       | 2,025.00   | 956.00     | 102.00    | 2,025.00                                             | 957.00     | 102.20    | 1,670.00   | 3,695.00                                | 957.00     | 102.20    |
| -                                                                                       | 6,900.00   | 5,013.00   | 687.00    | 6,900.00                                             | 5,013.00   | 687.00    | 9,197.00   | 16,097.00                               | 5,013.00   | 687.00    |
| -                                                                                       | 8,985.00   | 4,663.00   | 368.69    | 8,985.00                                             | 4,663.00   | 368.69    | 7,976.00   | 16,961.00                               | 4,663.00   | 368.69    |
| -                                                                                       | 10,122.43  | 6,320.00   | 510.95    | 10,354.00                                            | 6,428.00   | 520.00    | 8,952.00   | 19,306.00                               | 6,428.00   | 520.00    |
| -                                                                                       | 6,635.53   | 4,292.00   | 381.51    | 6,789.51                                             | 4,380.00   | 389.09    | 6,214.89   | 13,004.40                               | 4,380.00   | 389.09    |
| -                                                                                       | 3,486.90   | 2,028.00   | 129.44    | 3,564.49                                             | 2,048.00   | 130.91    | 2,736.11   | 6,300.60                                | 2,048.00   | 130.91    |
| -                                                                                       | 4,356.00   | 4,563.00   | 545.87    | 4,356.00                                             | 4,563.00   | 545.87    | 4,513.00   | 8,869.00                                | 4,563.00   | 545.87    |
| -                                                                                       | 9,190.50   | 5,689.00   | 482.84    | 9,237.25                                             | 5,712.00   | 484.00    | 8,011.00   | 17,248.25                               | 5,712.00   | 484.00    |
| -                                                                                       | 3,267.19   | 2,439.00   | 259.46    | 3,313.94                                             | 2,462.00   | 260.62    | 2,697.08   | 6,011.02                                | 2,462.00   | 260.62    |
| -                                                                                       | 1,259.45   | 822.00     | 59.99     | 1,259.45                                             | 822.00     | 59.99     | 1,636.14   | 2,895.59                                | 822.00     | 59.99     |
| -                                                                                       | 4,663.86   | 2,428.00   | 163.99    | 4,663.86                                             | 2,428.00   | 163.99    | 3,677.78   | 8,341.64                                | 2,428.00   | 163.99    |
| 0.88                                                                                    | 13,779.58  | 11,505.00  | 805.71    | 13,779.58                                            | 11,518.00  | 808.00    | 15,784.00  | 29,563.58                               | 11,518.00  | 808.00    |
| 0.88                                                                                    | 9,918.93   | 8,583.00   | 658.17    | 9,918.93                                             | 8,593.00   | 660.35    | 11,695.43  | 21,614.36                               | 8,593.00   | 660.35    |
| -                                                                                       | 2,949.00   | 2,147.00   | 109.63    | 2,949.00                                             | 2,150.00   | 109.74    | 3,204.87   | 6,153.87                                | 2,150.00   | 109.74    |
| -                                                                                       | 911.65     | 775.00     | 37.91     | 911.65                                               | 775.00     | 37.91     | 883.70     | 1,795.35                                | 775.00     | 37.91     |
| -                                                                                       | 4,484.00   | 2,105.00   | 158.00    | 4,484.00                                             | 2,105.00   | 158.00    | 2,337.00   | 6,821.00                                | 2,105.00   | 158.00    |
| -                                                                                       | 2,889.34   | 1,326.00   | 103.11    | 2,889.34                                             | 1,326.00   | 103.11    | 1,360.61   | 4,249.95                                | 1,326.00   | 103.11    |
| -                                                                                       | 1,594.66   | 779.00     | 54.89     | 1,594.66                                             | 779.00     | 54.89     | 976.39     | 2,571.05                                | 779.00     | 54.89     |
| -                                                                                       | 1,999.00   | 1,658.00   | 173.90    | 1,999.00                                             | 1,658.00   | 173.90    | 3,531.00   | 5,530.00                                | 1,658.00   | 173.90    |
| -                                                                                       | 5,198.00   | 5,791.00   | 914.60    | 5,198.00                                             | 5,791.00   | 914.60    | 6,988.00   | 12,186.00                               | 5,791.00   | 914.60    |
| -                                                                                       | 3,400.00   | 2,056.00   | 205.00    | 3,400.00                                             | 2,056.00   | 205.00    | 3,189.00   | 6,589.00                                | 2,056.00   | 205.00    |
| -                                                                                       | 4,073.00   | 2,151.00   | 152.00    | 4,073.00                                             | 2,151.00   | 152.00    | 4,126.00   | 8,199.00                                | 2,151.00   | 152.00    |
| -                                                                                       | 703.00     | 447.00     | 246.00    | 703.00                                               | 447.00     | 246.00    | 563.00     | 1,266.00                                | 447.00     | 246.00    |
| -                                                                                       | 132.00     | 234.00     | 38.00     | 132.00                                               | 234.00     | 38.00     | 215.00     | 347.00                                  | 234.00     | 38.00     |
| -                                                                                       | -          | -          | -         | -                                                    | -          | -         | -          | -                                       | -          | -         |
| -                                                                                       | -          | -          | -         | -                                                    | -          | -         | -          | -                                       | -          | -         |
| -                                                                                       | -          | -          | -         | -                                                    | -          | -         | -          | -                                       | -          | -         |
| 94.56                                                                                   | 134,749.98 | 95,473.00  | 9,380.88  | 137,997.14                                           | 96,012.00  | 9,487.26  | 142,838.00 | 280,835.14                              | 96,012.00  | 9,487.26  |
| -                                                                                       | 30,248.00  | 40,242.00  | 4,682.50  | 30,248.00                                            | 40,242.00  | 4,682.50  | 58,067.00  | 88,315.00                               | 40,242.00  | 4,682.50  |
| -                                                                                       | 45,189.00  | 91,087.00  | 4,190.00  | 45,189.00                                            | 91,087.00  | 4,190.00  | 53,212.00  | 98,401.00                               | 91,087.00  | 4,190.00  |
| -                                                                                       | 40,472.52  | 81,612.00  | 3,730.81  | 40,472.52                                            | 81,612.00  | 3,730.81  | 45,555.44  | 86,027.96                               | 81,612.00  | 3,730.81  |
| -                                                                                       | 4,716.48   | 9,475.00   | 459.19    | 4,716.48                                             | 9,475.00   | 459.19    | 7,656.56   | 12,373.04                               | 9,475.00   | 459.19    |
| -                                                                                       | 34,893.00  | 36,060.00  | 7,451.67  | 34,893.00                                            | 36,060.00  | 7,451.67  | 73,006.00  | 107,899.00                              | 36,060.00  | 7,451.67  |
| -                                                                                       | 30,123.77  | 31,926.00  | 6,819.88  | 30,123.77                                            | 31,926.00  | 6,819.88  | 57,009.15  | 87,132.92                               | 31,926.00  | 6,819.88  |
| -                                                                                       | 4,769.23   | 4,134.00   | 631.79    | 4,769.23                                             | 4,134.00   | 631.79    | 15,996.85  | 20,766.08                               | 4,134.00   | 631.79    |
| -                                                                                       | 12,836.06  | 13,148.00  | 6,432.97  | 12,836.06                                            | 13,148.00  | 6,432.97  | 26,639.00  | 39,475.06                               | 13,148.00  | 6,432.97  |
| -                                                                                       | -          | -          | -         | -                                                    | -          | -         | -          | -                                       | -          | -         |
| -                                                                                       | -          | -          | -         | -                                                    | -          | -         | -          | -                                       | -          | -         |
| -                                                                                       | -          | -          | -         | -                                                    | -          | -         | -          | -                                       | -          | -         |
| -                                                                                       | 123,166.06 | 180,537.00 | 22,757.14 | 123,166.06                                           | 180,537.00 | 22,757.14 | 210,924.00 | 334,090.06                              | 180,537.00 | 22,757.14 |
| 94.56                                                                                   | 257,916.04 | 276,010.00 | 32,138.02 | 261,163.20                                           | 276,549.00 | 32,244.40 | 353,762.00 | 614,925.20                              | 276,549.00 | 32,244.40 |

TABEL 16  
PRODUKSI TENAGA LISTRIK PLN PER JENIS PEMBANGKIT DAN PER WILAYAH 2008  
PLN'S ELECTRICITY PRODUCTION OF POWER PLANT BY TYPE AND BY REGION 2008  
(GWh)

| WILAYAH<br>PROPINSI              | REGION<br>PROVINCE               | PLTA<br>HYDRO PP | PLTP<br>GEOTHERMAL PP | PLTU-M<br>STEAM OIL PP | PLTU-GA<br>STEAM NATURAL<br>GAS PP | PLTU-B<br>STEAM COAL PP | PLTD<br>DIESEL PP |
|----------------------------------|----------------------------------|------------------|-----------------------|------------------------|------------------------------------|-------------------------|-------------------|
| Nanggroe Aceh Darussalam         | Nanggroe Aceh Darussalam         | 6.13             | -                     | -                      | -                                  | -                       | 232.48            |
| Sumatera Utara                   | North Sumatera                   | -                | -                     | -                      | -                                  | -                       | 0.98              |
| Sumatera Barat                   | West Sumatera                    | 0.96             | -                     | -                      | -                                  | -                       | 61.44             |
| Riau                             | Riau                             | -                | -                     | -                      | -                                  | -                       | 484.51            |
| Sumatera Selatan                 | South Sumatera                   | -                | -                     | -                      | -                                  | -                       | 13.77             |
| Jambi                            | Jambi                            | -                | -                     | -                      | -                                  | -                       | 24.08             |
| Bengkulu                         | Bengkulu                         | 3.29             | -                     | -                      | -                                  | -                       | 14.45             |
| Bangka Belitung                  | Bangka Belitung                  | -                | -                     | -                      | -                                  | -                       | 209.71            |
| Lampung                          | Lampung                          | -                | -                     | -                      | -                                  | -                       | 7.88              |
| Kalimantan Barat                 | West Kalimantan                  | -                | -                     | -                      | -                                  | -                       | 591.15            |
| Kalimantan Selatan               | South Kalimantan                 | 160.96           | -                     | -                      | -                                  | 911.13                  | 360.72            |
| Kalimantan Tengah                | Centre Kalimantan                | -                | -                     | -                      | -                                  | -                       | 194.61            |
| Kalimantan Timur                 | East Kalimantan                  | -                | -                     | -                      | -                                  | -                       | 563.59            |
| Sulawesi Utara                   | North Sulawesi                   | 268.14           | 319.31                | -                      | -                                  | -                       | 120.90            |
| Gorontalo                        | Gorontalo                        | -                | -                     | -                      | -                                  | -                       | 79.71             |
| Sulawesi Tengah                  | Centre Sulawesi                  | 24.19            | -                     | -                      | -                                  | -                       | 245.00            |
| Sulawesi Selatan                 | South Sulawesi                   | 1,020.94         | -                     | 16.68                  | -                                  | -                       | 190.11            |
| Sulawesi Tenggara                | South East Sulawesi              | 9.72             | -                     | -                      | -                                  | -                       | 199.14            |
| Sulawesi Barat                   | West Sulawesi                    | -                | -                     | -                      | -                                  | -                       | 3.95              |
| Maluku                           | Maluku                           | -                | -                     | -                      | -                                  | -                       | 253.87            |
| Maluku Utara                     | North Maluku                     | -                | -                     | -                      | -                                  | -                       | 120.99            |
| Papua                            | Papua                            | 20.04            | -                     | -                      | -                                  | -                       | 348.15            |
| Distribusi Bali                  | Bali                             | -                | -                     | -                      | -                                  | -                       | 8.33              |
| Nusa Tenggara Barat              | West Nusa Tenggara               | 0.24             | -                     | -                      | -                                  | -                       | 506.09            |
| Nusa Tenggara Timur              | East Nusa Tenggara               | 3.94             | -                     | -                      | -                                  | -                       | 255.49            |
| PT PLN Batam                     | PT PLN Batam                     | -                | -                     | -                      | -                                  | -                       | 74.56             |
| PT PLN Tarakan                   | PT PLN Tarakan                   | -                | -                     | -                      | -                                  | -                       | 2.85              |
| Kit Sumbagut                     | Kit Sumbagut                     | 1,188.05         | -                     | 1,306.48               | 0.20                               | 41.92                   | 169.20            |
| Kit Sumbagsel                    | Kit Sumbagsel                    | 2,291.85         | -                     | -                      | 122.56                             | 3,743.24                | 164.56            |
| LUAR JAWA                        | OUT SIDE JAVA                    | 4,998.45         | 319.31                | 1,323.16               | 122.76                             | 4,696.30                | 5,502.26          |
| Dist. Jawa Timur                 | Dist. Of East java               | 3.94             | -                     | -                      | -                                  | -                       | 18.39             |
| Jawa Tengah & D.I. Yogyakarta    | Central Java & D.I Yogyakarta    | 9.98             | -                     | -                      | -                                  | -                       | -                 |
| Jawa Barat                       | West Java                        | -                | -                     | -                      | -                                  | -                       | 0.35              |
| Banten                           | Banten                           | -                | -                     | -                      | -                                  | -                       | -                 |
| Dist. Jakarta Raya dan Tangerang | Dist. Jakarta Raya dan Tangerang | -                | -                     | -                      | -                                  | -                       | -                 |
| PT Indonesia Power               | PT Indonesia Power               | 3,351.26         | 3,071.35              | 2,413.84               | -                                  | 21,640.06               | 183.52            |
| PT PJB                           | PT PJB                           | 2,376.33         | -                     | 6,448.77               | 733.11                             | 5,736.77                | -                 |
| Pembangkitan Muara Tawar         | Pembangkitan Muara Tawar         | -                | -                     | -                      | -                                  | -                       | -                 |
| Pembangkitan Cilegon             | P3B                              | -                | -                     | -                      | -                                  | -                       | -                 |
| Pembangkitan Tanjung Jati B      | Pembangkitan Muara Tawar         | -                | -                     | -                      | -                                  | 9,238.18                | -                 |
| J A W A                          | J A V A                          | 5,741.52         | 3,071.35              | 8,862.61               | 733.11                             | 36,615.01               | 202.26            |
| INDONESIA                        | INDONESIA                        | 10,739.97        | 3,390.66              | 10,185.77              | 855.87                             | 41,311.31               | 5,704.52          |

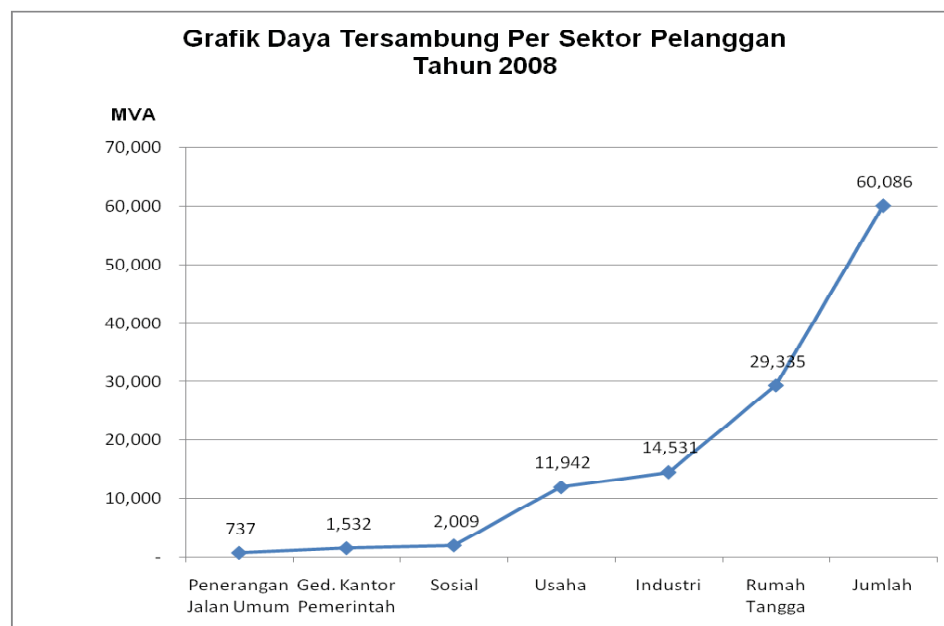
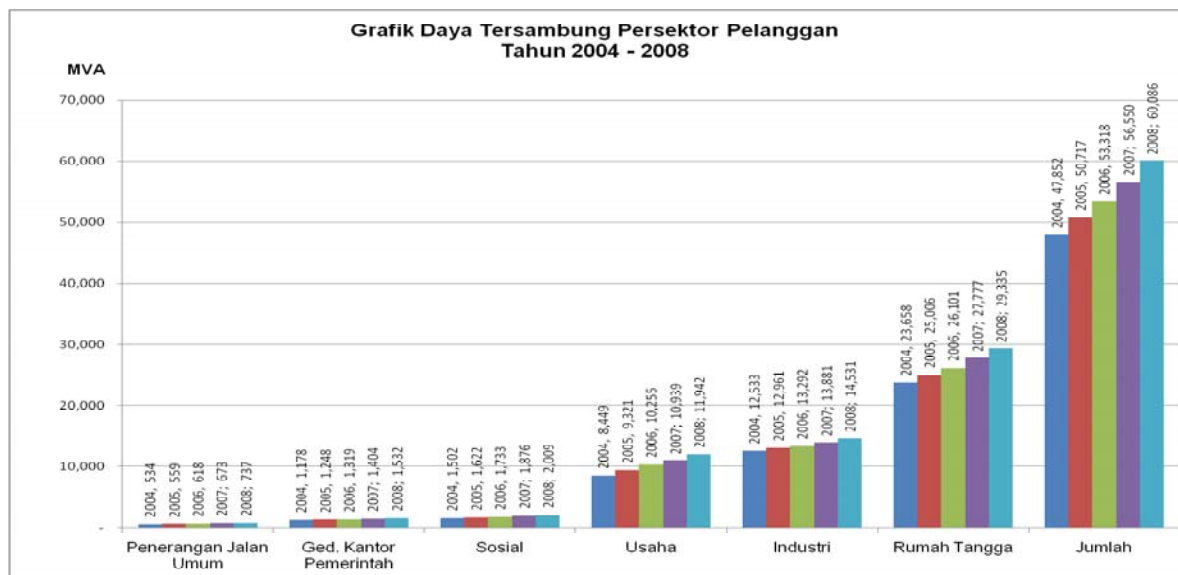
| PLTD<br>DIESEL PP Rented | PLTG-M<br>GAS TURBINE PP | PLTG-M<br>GAS TURBINE PP<br>Rented | PLTG-G<br>NATURAL GAS TURBINE<br>PP | PLTGU-M<br>COMBINED CYCLE | PLTGU-G<br>COMBINED CYCLE | PLTM-G<br>COMBINED<br>CYCLE | PLT<br>SURYA<br>Photovoltaic<br>PP | JUMLAH<br>TOTAL |
|--------------------------|--------------------------|------------------------------------|-------------------------------------|---------------------------|---------------------------|-----------------------------|------------------------------------|-----------------|
| 35.00                    | -                        | -                                  | -                                   | -                         | -                         | -                           | -                                  | 273.61          |
| -                        | -                        | -                                  | -                                   | -                         | -                         | -                           | -                                  | 0.98            |
| 13.66                    | -                        | -                                  | -                                   | -                         | -                         | -                           | -                                  | 76.06           |
| 223.82                   | -                        | -                                  | -                                   | -                         | -                         | -                           | -                                  | 708.33          |
| -                        | -                        | -                                  | -                                   | -                         | -                         | -                           | -                                  | 13.77           |
| -                        | -                        | -                                  | -                                   | -                         | -                         | -                           | -                                  | 24.08           |
| 23.91                    | -                        | -                                  | -                                   | -                         | -                         | -                           | -                                  | 41.65           |
| 196.53                   | -                        | -                                  | -                                   | -                         | -                         | -                           | -                                  | 406.24          |
| -                        | -                        | -                                  | -                                   | -                         | -                         | -                           | -                                  | 7.88            |
| 533.37                   | 110.14                   | -                                  | -                                   | -                         | -                         | -                           | -                                  | 1,234.65        |
| 106.36                   | 38.62                    | -                                  | -                                   | -                         | -                         | -                           | -                                  | 1,577.80        |
| 92.76                    | -                        | -                                  | -                                   | -                         | -                         | -                           | -                                  | 287.37          |
| 525.21                   | -                        | 163.07                             | -                                   | 118.62                    | 279.75                    | -                           | -                                  | 1,650.24        |
| 127.43                   | -                        | -                                  | -                                   | -                         | -                         | -                           | -                                  | 835.78          |
| 101.82                   | -                        | -                                  | -                                   | -                         | -                         | -                           | -                                  | 181.53          |
| -                        | -                        | -                                  | -                                   | -                         | -                         | -                           | -                                  | 269.19          |
| 94.85                    | 119.74                   | -                                  | -                                   | -                         | -                         | -                           | -                                  | 1,442.32        |
| 114.86                   | -                        | -                                  | -                                   | -                         | -                         | -                           | -                                  | 323.72          |
| -                        | -                        | -                                  | -                                   | -                         | -                         | -                           | -                                  | 3.95            |
| 19.73                    | -                        | -                                  | -                                   | -                         | -                         | -                           | -                                  | 273.60          |
| 65.38                    | -                        | -                                  | -                                   | -                         | -                         | -                           | -                                  | 186.37          |
| 299.77                   | -                        | -                                  | -                                   | -                         | -                         | -                           | -                                  | 667.96          |
| -                        | -                        | -                                  | -                                   | -                         | -                         | -                           | -                                  | 8.33            |
| 205.59                   | -                        | -                                  | -                                   | -                         | -                         | -                           | -                                  | 711.92          |
| 111.82                   | -                        | -                                  | -                                   | -                         | -                         | -                           | 0.10                               | 371.34          |
| 825.59                   | -                        | -                                  | -                                   | -                         | -                         | -                           | -                                  | 900.15          |
| 1.30                     | -                        | -                                  | -                                   | -                         | -                         | 110.24                      | -                                  | 114.39          |
| 678.00                   | 306.12                   | 62.67                              | 118.24                              | 4,213.71                  | 702.88                    | -                           | -                                  | 8,787.47        |
| -                        | 202.98                   | 84.44                              | 489.90                              | -                         | 15.01                     | -                           | -                                  | 7,114.55        |
| 4,396.76                 | 777.59                   | 310.18                             | 608.15                              | 4,332.33                  | 997.64                    | 110.24                      | 0.10                               | 28,495.24       |
| -                        | -                        | -                                  | -                                   | -                         | -                         | -                           | -                                  | 22.33           |
| -                        | -                        | -                                  | -                                   | -                         | -                         | -                           | -                                  | 9.98            |
| -                        | -                        | -                                  | -                                   | -                         | -                         | -                           | -                                  | 0.35            |
| -                        | -                        | -                                  | -                                   | -                         | -                         | -                           | -                                  | -               |
| -                        | -                        | -                                  | -                                   | -                         | -                         | -                           | -                                  | -               |
| -                        | 1,909.77                 | -                                  | 67.59                               | 8,087.34                  | 3,558.70                  | -                           | -                                  | 44,283.43       |
| -                        | 26.00                    | -                                  | -                                   | 5,079.14                  | 9,881.89                  | -                           | -                                  | 30,282.01       |
| -                        | 1,921.65                 | -                                  | -                                   | -                         | -                         | -                           | -                                  | 1,921.65        |
| -                        | -                        | -                                  | -                                   | -                         | 3,793.67                  | -                           | -                                  | 3,793.67        |
| -                        | -                        | -                                  | -                                   | -                         | -                         | -                           | -                                  | 9,238.18        |
| -                        | 3,857.41                 | -                                  | 67.59                               | 13,166.48                 | 17,234.26                 | -                           | -                                  | 89,551.60       |
| 4,396.76                 | 4,635.00                 | 310.18                             | 675.74                              | 17,498.82                 | 18,231.90                 | 110.24                      | 0.10                               | 118,046.84      |

TABEL 17  
SEWA DAN PEMBELIAN TENAGA LISTRIK DARI LUAR PLN PER WILAYAH 2008  
RENTED AND PURCHASE ELECTRICITY BY PLN AND BY REGION 2008  
(GWh)

| NO. | WILAYAH<br>REGION                     |                                                  | SEWA<br>RENTED | BELI<br>PURCHASE | JUMLAH<br>TOTAL |
|-----|---------------------------------------|--------------------------------------------------|----------------|------------------|-----------------|
| 1.  | Nanggroe Aceh Darussalam              | <i>Nanggroe Aceh Darussalam</i>                  | 35.00          | 13.14            | 48.14           |
| 2   | Sumatera Utara                        | <i>North Sumatera</i>                            | -              | 15.57            | 15.57           |
| 3   | Sumatera Barat                        | <i>West Sumatera</i>                             | 13.66          | 1.80             | 15.46           |
| 4   | Riau                                  | <i>Riau</i>                                      | 138.63         | 38.62            | 177.25          |
| 5   | Kepulauan Riau                        | <i>Riau Island</i>                               | 85.19          | 7.65             | 92.84           |
| 6   | Sumsel, Jambi dan Bengkulu            | <i>South Sumatera, Jambi, &amp; Bengkulu</i>     | 23.91          | 265.37           | 289.28          |
| 7   | Bangka Belitung                       | <i>Bangka Belitung</i>                           | 196.53         | 7.97             | 204.50          |
| 8   | Lampung                               | <i>Lampung</i>                                   | -              | -                | -               |
| 9   | Kalimantan Barat                      | <i>West Kalimantan</i>                           | 533.37         | -                | 533.37          |
| 10  | Kalimantan Selatan, dan Tengah        | <i>South, &amp; Centre Kalimantan</i>            | 199.11         | 74.49            | 273.60          |
| 11  | Kalimantan Timur                      | <i>East Kalimantan</i>                           | 688.28         | 81.41            | 769.69          |
| 12  | Sulawesi Utara, Tengah & Gorontalo    | <i>North, Centre Kalimantan, &amp; Gorontalo</i> | 229.24         | 188.90           | 418.14          |
| 13  | Sulawesi Selatan, Tenggara, dan Barat | <i>South, South East, &amp; West Sulawesi</i>    | 209.73         | 1,600.46         | 1,810.19        |
| 14  | Maluku dan Maluku Utara               | <i>Maluku &amp; North of Maluku</i>              | 85.11          | -                | 85.11           |
| 15  | Papua                                 | <i>Papua</i>                                     | 299.77         | 11.21            | 310.98          |
| 16  | Dist Bali                             | <i>Dist. Bali</i>                                | -              | 0.05             | 0.05            |
| 17  | Nusa Tenggara Barat                   | <i>West Nusa Tenggara</i>                        | 205.59         | -                | 205.59          |
| 18  | Nusa Tenggara Timur                   | <i>East Nusa Tenggara</i>                        | 111.82         | -                | 111.82          |
| 19  | PT PLN Batam                          | <i>PT PLN Batam</i>                              | 825.59         | 432.31           | 1,257.90        |
| 20  | PT PLN Tarakan                        | <i>PT PLN Tarakan</i>                            | 1.30           | 53.33            | 54.63           |
| 21  | Kit Sumbagut                          | <i>Kit Sumbagut</i>                              | 740.67         | -                | 740.67          |
| 22  | Kit Sumbagsel                         | <i>Kit Sumbagsel</i>                             | 84.44          | 58.80            | 143.24          |
| 23  | P3B Sumatera                          | <i>P3B Sumatera</i>                              | -              | 1,964.89         | 1,964.89        |
|     | LUAR JAWA                             | <i>OUT SIDE JAVA</i>                             | 4,706.94       | 4,815.97         | 9,522.91        |
| 24  | Dist Jawa Timur                       | <i>Dist. Of East Java</i>                        | -              | 0.13             | 0.13            |
| 25  | Dist Jawa Tengah & DI. Yogyakarta     | <i>Dist of Center Java</i>                       | -              | 15.47            | 15.47           |
| 26  | Dist Jawa Barat & Banten              | <i>Dist. Of West Java</i>                        | -              | 49.58            | 49.58           |
| 27  | Dist Jakarat Raya & Tangerang         | <i>Dist of Jakarta &amp; Tangerang</i>           | -              | -                | -               |
| 28  | PT Indonesia Power                    | <i>PT Indonesia Power</i>                        | -              | -                | -               |
| 29  | PT PJB                                | <i>PT PJB</i>                                    | -              | -                | -               |
| 30  | P3B Jawa Bali                         | <i>P3B Jawa Bali</i>                             | -              | 26,508.06        | 26,508.06       |
| 31  | PT. Pembangkitan Muara Tawar          | <i>PT. Pembangkitan Muara Tawar</i>              | -              | -                | -               |
| 32  | TJ. JATI B                            |                                                  | -              | -                | -               |
| 33  | PLTGU CILEGON                         |                                                  | -              | -                | -               |
|     | JAWA                                  | JAVA                                             | -              | 26,573.24        | 26,573.24       |
|     | INDONESIA                             | INDONESIA                                        | 4,706.94       | 31,389.21        | 36,096.15       |

**TABEL 19**  
**DAYA TERSAMBUNG PER SEKTOR PELANGGAN**  
**POWER CONNECTED BY TYPE OF CUSTOMERS**  
**(MVA)**

| TAHUN<br>YEAR | KELOMPOK PELANGGAN TYPE OF CUSTOMERS |                        |                     |                  |                                                   |                                                       | JUMLAH<br>TOTAL |
|---------------|--------------------------------------|------------------------|---------------------|------------------|---------------------------------------------------|-------------------------------------------------------|-----------------|
|               | RUMAH TANGGA<br>RESIDENTIAL          | INDUSTRI<br>INDUSTRIAL | USAHA<br>COMMERCIAL | SOSIAL<br>SOCIAL | GED. KANTOR<br>PEMERINTAH<br>GOVERNMENT<br>OFFICE | PENERANGAN<br>JALAN UMUM<br>PUBLIC STREET<br>LIGHTING |                 |
| 2000          | 18,588.73                            | 11,390.37              | 6,449.00            | 1,161.48         | 1,003.28                                          | 241.80                                                | 38,834.66       |
| 2001          | 20,250.36                            | 11,903.21              | 6,919.94            | 1,238.12         | 1,003.15                                          | 270.30                                                | 41,585.08       |
| 2002          | 21,342.13                            | 12,284.24              | 7,337.43            | 1,322.27         | 1,031.80                                          | 348.43                                                | 43,666.30       |
| 2003          | 22,467.94                            | 12,413.55              | 7,824.56            | 1,406.48         | 1,089.78                                          | 387.75                                                | 45,590.06       |
| 2004          | 23,657.60                            | 12,532.61              | 8,449.06            | 1,501.51         | 1,177.86                                          | 533.70                                                | 47,852.34       |
| 2005          | 25,006.46                            | 12,961.49              | 9,320.81            | 1,621.72         | 1,247.91                                          | 558.99                                                | 50,717.38       |
| 2006          | 26,100.68                            | 13,292.08              | 10,254.80           | 1,732.96         | 1,318.85                                          | 618.15                                                | 53,317.52       |
| 2007          | 27,777.44                            | 13,881.08              | 10,939.45           | 1,875.57         | 1,403.60                                          | 672.64                                                | 56,549.78       |
| 2008          | 29,334.55                            | 14,531.35              | 11,941.56           | 2,008.57         | 1,532.43                                          | 737.07                                                | 60,085.53       |





TABEL 19  
PEMBELIAN TENAGA LISTRIK OLEH PLN  
PLN'S ELECTRICITY PURCHASE  
(MWh)

| NO     | WILAYAH                               | REGION                                         | 2000         | 2001          | 2002          |
|--------|---------------------------------------|------------------------------------------------|--------------|---------------|---------------|
| 1      | Nanggroe Aceh Darussalam              | <i>Nanggroe Aceh Darussalam</i>                | -            | -             | -             |
| 2      | Sumatera Utara                        | <i>North Sumatera</i>                          | -            | -             | -             |
| 3      | Sumatera Barat                        | <i>West Sumatera</i>                           | -            | -             | -             |
| 4      | Riau                                  | <i>Riau</i>                                    | -            | -             | -             |
| 5      | Kepulauan Riau                        | <i>Riau Island</i>                             | -            | -             | -             |
| 6      | Sumsel, Jambi dan Bengkulu            | <i>South Sumatera, Jambi, &amp; Bengkulu</i>   | 18,041.00    | 5,144.00      | 41,252.00     |
| 7      | Bangka Belitung                       | <i>Bangka Belitung</i>                         | -            | -             | -             |
| 8      | Lampung                               | <i>Lampung</i>                                 | -            | -             | -             |
| 9      | Kalimantan Barat                      | <i>West Kalimantan</i>                         | -            | -             | -             |
| 10     | Kalimantan Selatan, dan Tengah        | <i>South &amp; Centre Kalimantan</i>           | 48,077.00    | 35,264.00     | 44,030.00     |
| 11     | Kalimantan Timur                      | <i>East Kalimantan</i>                         | -            | 6,085.00      | -             |
| 12     | Sulawesi Utara, Tengah & Gorontalo    | <i>North, Centre Sulawesi, &amp; Gorontalo</i> | -            | -             | -             |
| 13     | Sulawesi Selatan, Tenggara, dan Barat | <i>South, &amp; South East Sulawesi</i>        | 732,699.00   | 840,382.00    | 1,091,515.00  |
| 14     | Maluku dan Maluku Utara               | <i>Maluku</i>                                  | -            | -             | -             |
| 15     | Papua                                 | <i>Papua</i>                                   | -            | -             | -             |
| 16     | Dist Bali                             | <i>Dist Bali</i>                               | -            | -             | -             |
| 17     | Nusa Tenggara Barat                   | <i>West Nusa Tenggara</i>                      | -            | -             | -             |
| 18     | Nusa Tenggara Timur                   | <i>East Nusa Tenggara</i>                      | -            | -             | -             |
| 19     | PT PLN Batam                          | <i>PT PLN Batam</i>                            | -            | -             | -             |
| 20     | PT PLN Tarakan                        | <i>PT PLN Tarakan</i>                          | 5,925.00     | -             | -             |
| 21     | Kit Sumbagut                          | <i>Kit Sumbagut</i>                            | -            | -             | -             |
| 22     | Kit Sumbagsel                         | <i>Kit Sumbagsel</i>                           | -            | 1,161.00      | -             |
| 23     | P3B Sumatera                          | <i>P3B Sumatera</i>                            | 23,545.00    | 45,192.00     | 65,679.00     |
| 24     | Dist Jawa Timur                       | <i>Dist. Of East java</i>                      | -            | -             | -             |
| 25     | Dist Jawa Tengah & DI. Yogya-karta    | <i>Dist. Of Central Java</i>                   | -            | -             | -             |
| 26     | Dist Jawa Barat & Banten              | <i>Dist. Of West Java</i>                      | -            | -             | -             |
| 27     | Dist Jakarat Raya & Tangerang         | <i>Dist. Jakarta Raya dan Tangerang</i>        | -            | -             | -             |
| 28     | PT Indonesia Power                    | <i>PT Indonesia Power</i>                      | -            | -             | -             |
| 29     | PT PJB                                | <i>PT PJB</i>                                  | -            | -             | -             |
| 30     | P3B Jawa-Bali                         | <i>P3B Jawa-Bali</i>                           | 8,306,849.00 | 12,365,978.00 | 17,671,088.00 |
| JUMLAH |                                       |                                                | 9,135,136.00 | 13,299,206.00 | 18,913,564.00 |

| 2003          | 2004          | 2005          | 2006          | 2007          | 2008          |
|---------------|---------------|---------------|---------------|---------------|---------------|
| -             | -             | 8,944.80      | 35,762.00     | -             | 13,140.00     |
| -             | -             | 2,373.40      | 6,137.12      | 4,600.00      | 15,570.00     |
| -             | -             | 26,025.17     | 26,283.49     | -             | 1,800.00      |
| 15,248.70     | 18,829.30     | 235,389.40    | 233,573.81    | 27,620.00     | 38,620.00     |
| 15,248.70     | 18,829.30     | 235,389.40    | 233,573.81    | 8,830.00      | 7,650.00      |
| 41,799.33     | 26,514.00     | 40,767.82     | 115,800.81    | 216,140.00    | 265,370.00    |
| 21,028.80     | -             | 173,894.91    | 178,532.01    | 3,760.00      | 7,970.00      |
| 20,092.56     | 21,874.43     | 57,473.42     | 12,982.20     | -             | -             |
| -             | -             | 322,565.40    | 374,862.83    | -             | -             |
| 55,319.82     | 69,504.68     | 286,072.23    | 212,787.61    | 84,010.00     | 74,490.00     |
| -             | 6,198.24      | 494,682.83    | 519,549.51    | 49,530.00     | 81,410.00     |
| -             | -             | 229,261.56    | 295,843.23    | 126,670.00    | 188,900.00    |
| 1,179,844.53  | 1,271,622.22  | 1,336,096.10  | 1,626,525.87  | 1,441,840.00  | 1,600,460.00  |
| -             | 5,767.07      | 115,169.47    | 82,133.71     | -             | -             |
| -             | -             | 127,814.89    | 182,596.33    | 3,580.00      | 11,210.00     |
| -             | -             | 0.00          | 0.00          | 90.00         | 50.00         |
| -             | -             | 104,503.96    | 88,158.28     | -             | -             |
| -             | 43.99         | 22,768.68     | 23,145.43     | 10.00         | -             |
| -             | -             | 581,449.99    | 827,800.04    | 857,420.00    | 432,310.00    |
| -             | -             | 48,057.12     | 51,714.66     | -             | 53,330.00     |
| -             | -             | 98,032.70     | 86,267.60     | -             | -             |
| -             | 38,439.90     | 338,644.38    | 196,192.87    | -             | 58,800.00     |
| 95,160.52     | 272,393.92    | 795,338.08    | 1,398,293.28  | 1,708,170.00  | 1,964,890.00  |
| 5,462.04      | 14,552.17     | 9,470.64      | 3,702.45      | 140.00        | 130.00        |
| -             | 1,383.81      | 47,774.87     | 57,490.28     | 39,470.00     | 15,470.00     |
| 19.86         | 3,941.53      | 6,512.50      | 5,865.04      | 25,590.00     | 49,580.00     |
| -             | -             | 0.00          | 0.00          | 0.00          | 0.00          |
| -             | -             | 0.00          | 0.00          | 0.00          | 0.00          |
| -             | -             | 0.00          | 0.00          | 0.00          | 0.00          |
| 19,104,781.75 | 22,219,204.04 | 23,421,634.89 | 24,802,066.93 | 26,601,940.00 | 26,508,060.00 |
| 20,554,006.59 | 23,989,098.59 | 29,166,108.61 | 31,444,067.38 | 31,199,410.00 | 31,389,210.00 |

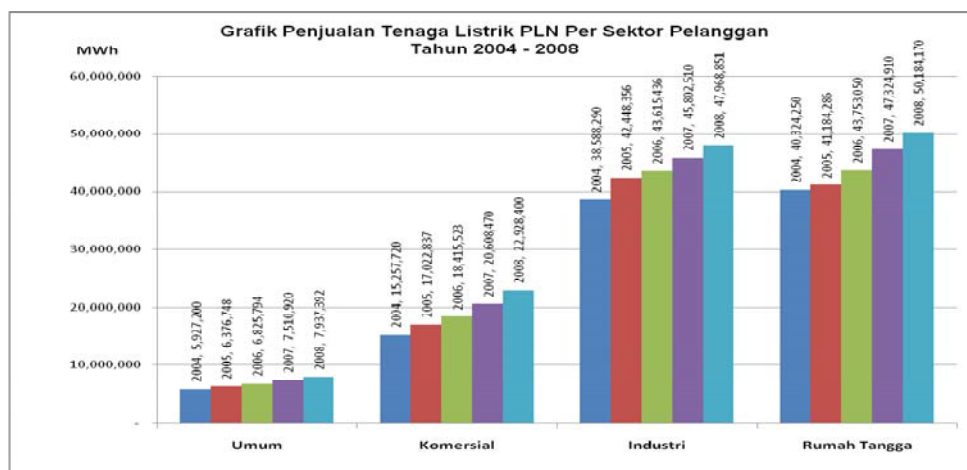
TABEL 20  
DAYA TERSAMBUNG PER SEKTOR PELANGGAN PER WILAYAH 2008  
POWER CONNECTED OF CUSTOMERS BY TYPE AND BY REGION 2008

| NO.<br>Nr. | WILAYAH PROPINSI         | PROVINCE REGION          | RUMAH<br>TANGGA<br>RESIDENTIAL | INDUSTRI<br>INDUSTRIAL |
|------------|--------------------------|--------------------------|--------------------------------|------------------------|
| 1          | NANGGROE ACEH DARUSSALAM | NANGGROE ACEH DARUSSALAM | 509.12                         | 24.91                  |
| 2          | SUMATERA UTARA           | NORTH SUMATERA           | 1,562.76                       | 682.28                 |
| 3          | SUMATERA BARAT           | WEST SUMATERA            | 569.77                         | 135.84                 |
| 4          | R I A U                  | RIAU                     | 568.37                         | 50.35                  |
| 5          | SUMATERA SELATAN         | SOUTH SUMATERA           | 653.74                         | 144.67                 |
| 6          | JAMBI                    | JAMBI                    | 285.81                         | 20.44                  |
| 7          | BENGKULU                 | BENGKULU                 | 154.32                         | 8.66                   |
| 8          | BANGKA BELITUNG          | BANGKA BELITUNG          | 104.28                         | 10.18                  |
| 9          | LAMPUNG                  | LAMPUNG                  | 690.69                         | 136.79                 |
| 10         | KALIMANTAN BARAT         | WEST KALIMANTAN          | 333.37                         | 29.56                  |
| 11         | KALIMANTAN SELATAN       | SOUTH KALIMANTAN         | 409.66                         | 67.99                  |
| 12         | KALIMANTAN TENGAH        | CENTRE KALIMANTAN        | 171.92                         | 7.82                   |
| 13         | KALIMANTAN TIMUR         | EAST KALIMANTAN          | 377.48                         | 55.23                  |
| 14         | SULAWESI UTARA           | NORTH SULAWESI           | 247.59                         | 32.98                  |
| 15         | GORONTALO                | GORONTALO                | 65.02                          | 6.40                   |
| 16         | SULAWESI TENGAH          | CENTRE SULAWESI          | 180.88                         | 10.43                  |
| 17         | SULAWESI SELATAN         | SOUTH SULAWESI           | 823.01                         | 202.64                 |
| 18         | SULAWESI TENGGARA        | SOUTH EAST SULAWESI      | 138.87                         | 10.01                  |
| 19         | SULAWESI BARAT           | WEST SULAWESI            | 56.81                          | 1.09                   |
| 20         | MALUKU                   | MALUKU                   | 119.18                         | 3.21                   |
| 21         | MALUKU UTARA             | NORTH MALUKU             | 67.11                          | 0.65                   |
| 22         | PAPUA                    | PAPUA                    | 176.57                         | 2.96                   |
| 23         | BALI                     | BALI                     | 677.00                         | 48.04                  |
| 24         | NUSA TENGGARA BARAT      | WEST NUSA TENGGARA       | 215.63                         | 9.41                   |
| 25         | NUSA TENGGARA TIMUR      | EAST NUSA TENGGARA       | 167.06                         | 6.88                   |
| 26         | PT PLN BATAM             | PT PLN BATAM             | 262.62                         | 183.49                 |
| 27         | PT PLN TARAKAN           | PT PLN TARAKAN           | 27.40                          | -                      |
|            | LUAR JAWA                | OUT SIDE JAVA            | 9,616.02                       | 1,892.90               |
| 28         | JAWA TIMUR               | EAST JAVA                | 4,761.10                       | 2,939.25               |
| 29         | JAWA TENGAH              | CENTRAL JAVA             | 3,713.05                       | 1,255.28               |
| 30         | DI Yogyakarta            | DI YOGYAKARTA            | 541.10                         | 63.46                  |
| 31         | JAWA BARAT               | WEST JAVA                | 5,413.23                       | 4,153.00               |
| 32         | BANTEN                   | BANTEN                   | 438.57                         | 1,093.42               |
| 33         | DKI. JAYA & TANGERANG    | DKI JAYA & TANGERANG     | 4,851.48                       | 3,134.03               |
|            | J A W A                  | JAVA                     | 19,718.53                      | 12,638.45              |
|            | INDONESIA                | INDONESIA                | 29,334.55                      | 14,531.35              |

| USAHA<br>COMMERCIAL | SOSIAL<br>SOCIAL | GED. KANTOR<br>PEMERINTAH<br>GOVERNMENT OF-<br>FICE | PENERANGAN<br>JALAN UMUM<br>PUBLIC STREET<br>LIGHTING | JUMLAH<br>TOTAL |
|---------------------|------------------|-----------------------------------------------------|-------------------------------------------------------|-----------------|
| 119.46              | 39.20            | 32.52                                               | 19.60                                                 | 744.80          |
| 482.58              | 97.26            | 39.31                                               | 72.08                                                 | 2,936.26        |
| 142.96              | 35.80            | 22.51                                               | 9.83                                                  | 916.71          |
| 268.48              | 37.55            | 36.29                                               | 23.21                                                 | 984.25          |
| 219.00              | 36.09            | 33.01                                               | 17.97                                                 | 1,104.48        |
| 74.40               | 12.29            | 12.59                                               | 5.38                                                  | 410.92          |
| 27.89               | 8.39             | 7.59                                                | 4.68                                                  | 211.53          |
| 22.35               | 4.80             | 6.77                                                | 2.12                                                  | 150.49          |
| 145.17              | 29.78            | 16.23                                               | 15.10                                                 | 1,033.76        |
| 123.39              | 20.34            | 20.49                                               | 9.70                                                  | 536.84          |
| 119.19              | 21.83            | 20.32                                               | 13.92                                                 | 652.91          |
| 44.48               | 10.05            | 16.20                                               | 5.70                                                  | 256.17          |
| 186.59              | 33.38            | 40.87                                               | 14.91                                                 | 708.46          |
| 87.57               | 20.54            | 12.67                                               | 7.93                                                  | 409.28          |
| 13.28               | 6.07             | 5.98                                                | 2.63                                                  | 99.38           |
| 35.57               | 11.94            | 11.76                                               | 4.51                                                  | 255.09          |
| 260.79              | 51.38            | 47.92                                               | 34.03                                                 | 1,419.76        |
| 28.24               | 6.73             | 10.66                                               | 3.85                                                  | 198.37          |
| 8.28                | 2.41             | 2.80                                                | 2.05                                                  | 73.43           |
| 30.26               | 8.71             | 12.08                                               | 1.47                                                  | 174.90          |
| 13.70               | 3.49             | 5.93                                                | 1.98                                                  | 92.86           |
| 97.95               | 17.68            | 27.70                                               | 4.55                                                  | 327.40          |
| 575.84              | 37.58            | 35.58                                               | 19.67                                                 | 1,393.71        |
| 62.43               | 17.01            | 11.84                                               | 7.96                                                  | 324.29          |
| 49.35               | 15.82            | 13.46                                               | 4.03                                                  | 256.60          |
| 257.50              | 10.47            | 14.47                                               | 3.68                                                  | 732.25          |
| 42.36               | 3.08             | 3.10                                                | 1.26                                                  | 77.20           |
| 3,539.08            | 599.68           | 520.63                                              | 313.77                                                | 16,482.08       |
| 1,321.09            | 323.41           | 134.80                                              | 140.19                                                | 9,619.84        |
| 763.24              | 237.97           | 79.90                                               | 113.04                                                | 6,162.47        |
| 167.57              | 72.34            | 24.84                                               | 13.17                                                 | 882.48          |
| 1,501.84            | 264.23           | 142.47                                              | 61.83                                                 | 11,536.60       |
| 110.24              | 22.24            | 12.87                                               | 10.25                                                 | 1,687.60        |
| 4,538.52            | 488.70           | 616.91                                              | 84.82                                                 | 13,714.45       |
| 8,402.49            | 1,408.89         | 1,011.80                                            | 423.29                                                | 43,603.44       |
| 11,941.56           | 2,008.57         | 1,532.43                                            | 737.07                                                | 60,085.53       |

**TABEL 21**  
**PENJUALAN TENAGA LISTRIK PLN PER SEKTOR PELANGGAN**  
**PLN'S ELECTRICITY SALES BY SECTOR OF CUSTOMERS**

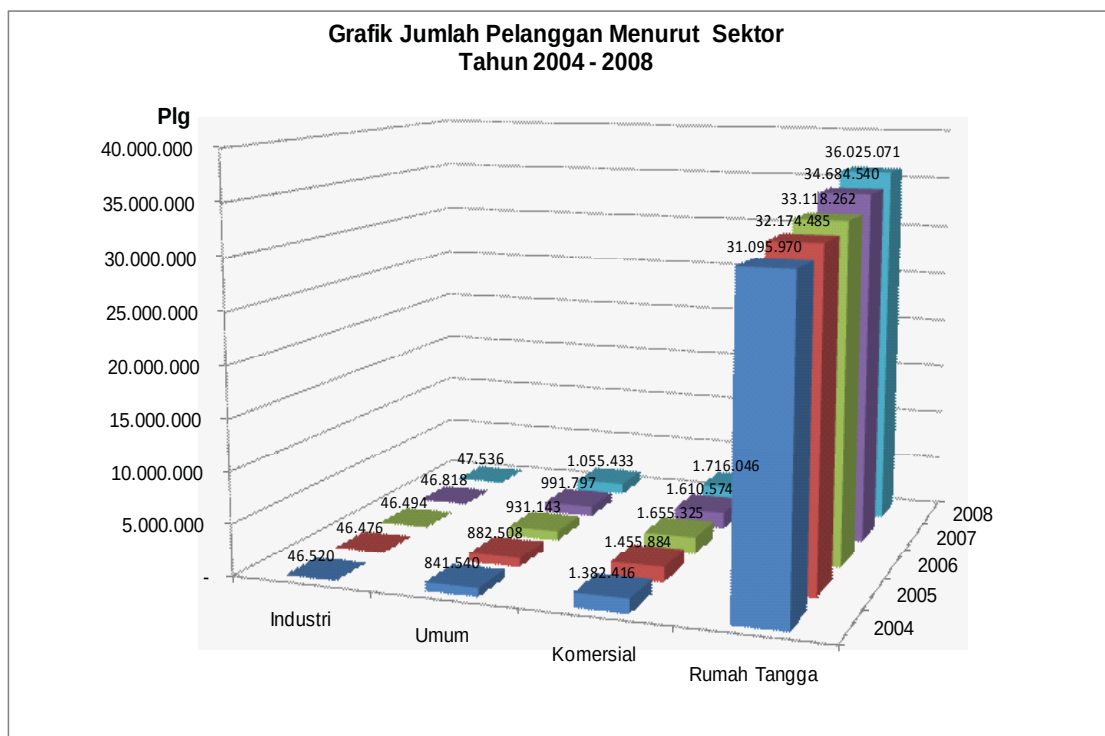
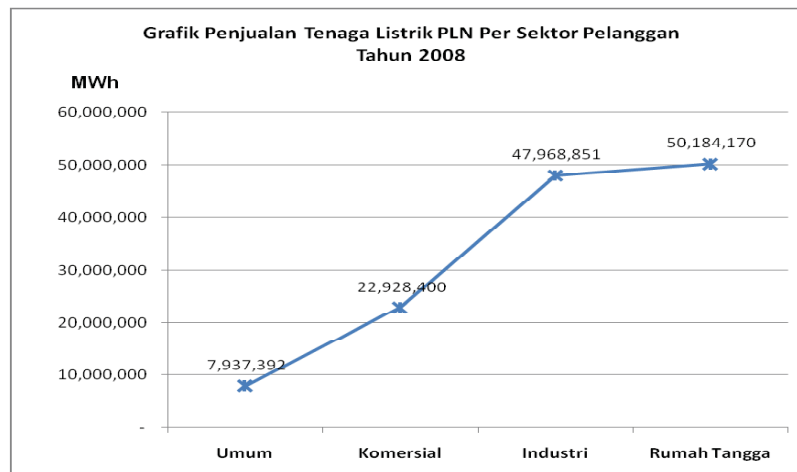
| TAHUN<br>YEAR | RUMAH TANGGA<br>RESIDENTIAL |                       | INDUSTRI<br>INDUSTRIAL |                       | USAHA<br>COMMERCIAL |                       |
|---------------|-----------------------------|-----------------------|------------------------|-----------------------|---------------------|-----------------------|
|               | MWh                         | PELANGGAN<br>CUSTOMER | MWh                    | PELANGGAN<br>CUSTOMER | MWh                 | PELANGGAN<br>CUSTOMER |
| 2000          | 30,563,415.87               | 26,796,675            | 34,013,217.83          | 44,337                | 10,575,970.74       | 1,062,955             |
| 2001          | 33,339,779.00               | 27,885,612            | 35,593,287.00          | 46,014                | 11,395,312.00       | 1,172,247             |
| 2002          | 33,993,551.00               | 28,903,325            | 36,831,300.00          | 46,824                | 11,845,039.00       | 1,245,709             |
| 2003          | 35,753,046.58               | 29,997,554            | 36,497,254.23          | 46,818                | 13,223,835.01       | 1,310,686             |
| 2004          | 40,324,250.00               | 31,095,970            | 38,588,290.00          | 46,520                | 15,257,720.00       | 1,382,416             |
| 2005          | 41,184,286.41               | 32,174,485            | 42,448,356.40          | 46,476                | 17,022,837.15       | 1,455,884             |
| 2006          | 43,753,170.00               | 33,118,262            | 43,615,450.00          | 46,494                | 18,415,522.95       | 1,655,325             |
| 2007          | 47,324,910.00               | 34,684,540            | 45,802,510.00          | 46,818                | 20,608,470.00       | 1,610,574             |
| 2008          | 50,184,169.56               | 36,025,071            | 47,968,851.30          | 47,536                | 22,928,400.03       | 1,716,046             |



**TABEL 22**  
**JUMLAH PELANGGAN MENURUT SEKTOR**  
**NUMBER OF CUSTOMERS BY SECTOR**

| TAHUN<br>YEAR | PELANGGAN CUSTOMERS    |                             |                     |                | JUMLAH<br>PELANGGAN<br>CUSTOMERS |
|---------------|------------------------|-----------------------------|---------------------|----------------|----------------------------------|
|               | INDUSTRI<br>INDUSTRIAL | RUMAH TANGGA<br>RESIDENTIAL | USAHA<br>COMMERCIAL | UMUM<br>PUBLIC |                                  |
| 2000          | 44,337                 | 26,796,675                  | 1,062,955           | 691,438        | 28,595,405                       |
| 2001          | 46,014                 | 27,885,612                  | 1,172,247           | 723,855        | 29,827,728                       |
| 2002          | 46,824                 | 28,903,325                  | 1,245,709           | 758,061        | 30,953,919                       |
| 2003          | 46,818                 | 29,997,554                  | 1,310,686           | 796,358        | 32,151,416                       |
| 2004          | 46,520                 | 31,095,970                  | 1,382,416           | 841,540        | 33,366,446                       |
| 2005          | 46,476                 | 32,174,485                  | 1,455,884           | 882,508        | 34,559,353                       |
| 2006          | 46,494                 | 33,118,262                  | 1,655,325           | 931,143        | 35,751,224                       |
| 2007          | 46,818                 | 34,684,540                  | 1,610,574           | 991,797        | 37,333,729                       |
| 2008          | 47,536                 | 36,025,071                  | 1,716,046           | 1,055,433      | 38,844,086                       |

| UMUM<br>PUBLIC |                       | JUMLAH<br>TOTAL |                       |
|----------------|-----------------------|-----------------|-----------------------|
| MWh            | PELANGGAN<br>CUSTOMER | MWh             | PELANGGAN<br>CUSTOMER |
| 4,012,202.21   | 691,438               | 79,164,806.64   | 28,595,405            |
| 4,192,003.00   | 723,855               | 84,520,381.00   | 29,827,728            |
| 4,418,850.00   | 758,061               | 87,088,740.00   | 30,953,919            |
| 4,966,810.00   | 796,358               | 90,440,945.81   | 32,151,416            |
| 5,927,200.00   | 841,540               | 100,097,460.00  | 33,366,446            |
| 6,376,747.95   | 882,508               | 107,032,227.90  | 34,559,353            |
| 6,825,690.00   | 931,143               | 112,609,832.95  | 35,751,224            |
| 7,510,920.00   | 991,797               | 121,246,810.00  | 37,333,729            |
| 7,937,392.42   | 1,055,433             | 129,018,813.31  | 38,844,086            |



TABEL 23  
PENJUALAN TENAGA LISTRIK PLN PER KELOMPOK PELANGGAN PER WILAYAH 2008  
PLN'S ELECTRICITY SALES OF CUSTOMERS BY SECTOR AND BY REGION 2008  
(GWh)

| NO.<br>Nr. | WILAYAH PROPINSI          | PROVINCE REGION          | KELOMPOK PELANGGAN<br>TYPE OF CUSTOMERS |                        |                     |
|------------|---------------------------|--------------------------|-----------------------------------------|------------------------|---------------------|
|            |                           |                          | RUMAH TANGGA<br>RESIDENTIAL             | INDUSTRI<br>INDUSTRIAL | USAHA<br>COMMERCIAL |
| 1          | NANGGROE ACEH DARUS-SALAM | NANGGROE ACEH DARUSSALAM | 756.07                                  | 40.08                  | 177.73              |
| 2          | SUMATERA UTARA            | NORTH SUMATERA           | 2,458.19                                | 1,902.34               | 895.22              |
| 3          | SUMATERA BARAT            | WEST SUMATERA            | 784.88                                  | 744.77                 | 266.15              |
| 4          | R I A U                   | RIAU                     | 1,120.46                                | 146.89                 | 543.50              |
| 5          | SUMATERA SELATAN          | SOUTH SUMATERA           | 1,104.82                                | 474.99                 | 462.79              |
| 6          | JAMBI                     | JAMBI                    | 447.91                                  | 48.99                  | 181.45              |
| 7          | BENGKULU                  | BENGKULU                 | 235.30                                  | 21.34                  | 51.32               |
| 8          | BANGKA BELITUNG           | BANGKA BELITUNG          | 257.04                                  | 25.28                  | 56.90               |
| 9          | LAMPUNG                   | LAMPUNG                  | 989.46                                  | 369.86                 | 408.87              |
| 10         | KALIMANTAN BARAT          | WEST KALIMANTAN          | 590.49                                  | 68.56                  | 311.90              |
| 11         | KALIMANTAN SELATAN        | SOUTH KALIMANTAN         | 682.49                                  | 147.01                 | 231.92              |
| 12         | KALIMANTAN TENGAH         | CENTRE KALIMANTAN        | 307.73                                  | 20.61                  | 91.47               |
| 13         | KALIMANTAN TIMUR          | EAST KALIMANTAN          | 882.22                                  | 129.60                 | 387.60              |
| 14         | SULAWESI UTARA            | NORTH SULAWESI           | 405.19                                  | 78.22                  | 173.80              |
| 15         | GORONTALO                 | GORONTALO                | 101.37                                  | 10.84                  | 24.79               |
| 16         | SULAWESI TENGAH           | CENTRE SULAWESI          | 256.48                                  | 14.77                  | 60.34               |
| 17         | SULAWESI SELATAN          | SOUTH SULAWESI           | 1,056.41                                | 685.14                 | 548.18              |
| 18         | SULAWESI TENGGARA         | SOUTH EAST SULAWESI      | 179.08                                  | 33.67                  | 62.26               |
| 19         | SULAWESI BARAT            | WEST SULAWESI            | 65.23                                   | 4.27                   | 18.88               |
| 20         | MALUKU                    | MALUKU                   | 153.92                                  | 3.59                   | 59.73               |
| 21         | MALUKU UTARA              | NORTH MALUKU             | 97.86                                   | 1.36                   | 29.60               |
| 22         | PAPUA                     | PAPUA                    | 337.28                                  | 5.96                   | 177.20              |
| 23         | BALI                      | BALI                     | 1,095.50                                | 100.41                 | 1,189.81            |
| 24         | NUSA TENGGARA BARAT       | WEST NUSA TENGGARA       | 393.27                                  | 12.95                  | 149.08              |
| 25         | NUSA TENGGARA TIMUR       | EAST NUSA TENGGARA       | 197.86                                  | 6.38                   | 82.82               |
| 26         | PT PLN BATAM              | PT PLN BATAM             | 339.93                                  | 417.62                 | 434.52              |
| 27         | PT PLN TARA KAN           | PT PLN TARA KAN          | 54.35                                   | -                      | 90.63               |
|            | LUAR JAWA                 | OUT SIDE JAVA            | 15,350.76                               | 5,515.48               | 7,168.47            |
| 28         | JAWA TIMUR                | EAST JAVA                | 7,465.94                                | 9,158.76               | 2,536.65            |
| 29         | JAWA TENGAH               | CENTRAL JAVA             | 5,948.49                                | 4,466.48               | 1,342.84            |
| 30         | DI Yogyakarta             | DI YOGYAKARTA            | 867.14                                  | 193.21                 | 333.75              |
| 31         | JAWA BARAT                | WEST JAVA                | 9,877.17                                | 14,766.85              | 2,465.98            |
| 32         | BANTEN                    | BANTEN                   | 832.84                                  | 5,012.74               | 168.48              |
| 33         | DKI. JAYA & TANGERANG     | DKI JAYA & TANGERANG     | 9,841.83                                | 8,855.33               | 8,912.23            |
|            | J A W A                   | JAVA                     | 4,833.41                                | 42,453.37              | 15,759.93           |
|            | INDONESIA                 | INDONESIA                | 50,184.17                               | 47,968.85              | 22,928.40           |

| KELOMPOK PELANGGAN<br>TYPE OF CUSTOMERS |                                                |                                                    | JUMLAH<br>TOTAL |
|-----------------------------------------|------------------------------------------------|----------------------------------------------------|-----------------|
| SOSIAL<br>SOCIAL                        | GED. KANTOR<br>PEMERINTAH<br>GOVERNMENT OFFICE | PENERANGAN<br>JALAN UMUM<br>PUBLIC STREET LIGHTING |                 |
| 48.86                                   | 42.99                                          | 83.97                                              | 1,149.70        |
| 138.18                                  | 56.52                                          | 307.40                                             | 5,757.85        |
| 52.94                                   | 27.38                                          | 63.89                                              | 1,940.01        |
| 66.71                                   | 50.61                                          | 100.66                                             | 2,028.83        |
| 55.98                                   | 41.39                                          | 77.17                                              | 2,217.13        |
| 17.50                                   | 14.75                                          | 22.19                                              | 732.78          |
| 10.50                                   | 9.89                                           | 13.37                                              | 341.71          |
| 8.42                                    | 10.29                                          | 8.26                                               | 366.19          |
| 43.14                                   | 24.75                                          | 66.22                                              | 1,902.30        |
| 32.05                                   | 35.47                                          | 31.34                                              | 1,069.81        |
| 26.92                                   | 24.53                                          | 47.46                                              | 1,160.34        |
| 13.21                                   | 18.81                                          | 11.81                                              | 463.64          |
| 48.45                                   | 45.08                                          | 53.56                                              | 1,546.51        |
| 28.26                                   | 16.92                                          | 25.97                                              | 728.36          |
| 8.44                                    | 8.08                                           | 8.73                                               | 162.25          |
| 13.69                                   | 15.91                                          | 21.91                                              | 383.10          |
| 74.47                                   | 67.52                                          | 103.99                                             | 2,535.71        |
| 7.36                                    | 12.47                                          | 12.00                                              | 306.84          |
| 2.45                                    | 3.48                                           | 7.16                                               | 101.47          |
| 9.86                                    | 20.00                                          | 5.27                                               | 252.38          |
| 4.34                                    | 12.26                                          | 4.77                                               | 150.19          |
| 22.53                                   | 35.52                                          | 14.85                                              | 593.34          |
| 48.24                                   | 64.33                                          | 52.81                                              | 2,551.10        |
| 25.17                                   | 13.22                                          | 28.09                                              | 621.78          |
| 17.10                                   | 18.68                                          | 15.72                                              | 338.56          |
| 12.69                                   | 23.63                                          | 6.23                                               | 1,234.62        |
| 3.61                                    | 5.02                                           | 5.44                                               | 159.05          |
| 841.07                                  | 719.51                                         | 1,200.24                                           | 30,795.53       |
| 493.65                                  | 194.80                                         | 484.35                                             | 20,334.16       |
| 343.89                                  | 115.09                                         | 437.24                                             | 12,654.03       |
| 110.11                                  | 28.13                                          | 46.12                                              | 1,578.45        |
| 426.69                                  | 184.75                                         | 222.52                                             | 27,943.96       |
| 34.82                                   | 20.71                                          | 37.43                                              | 6,107.02        |
| 830.08                                  | 832.82                                         | 333.37                                             | 29,605.66       |
| 2,239.25                                | 1,376.29                                       | 1,561.03                                           | 98,223.28       |
| 3,080.32                                | 2,095.80                                       | 2,761.28                                           | 129,018.81      |



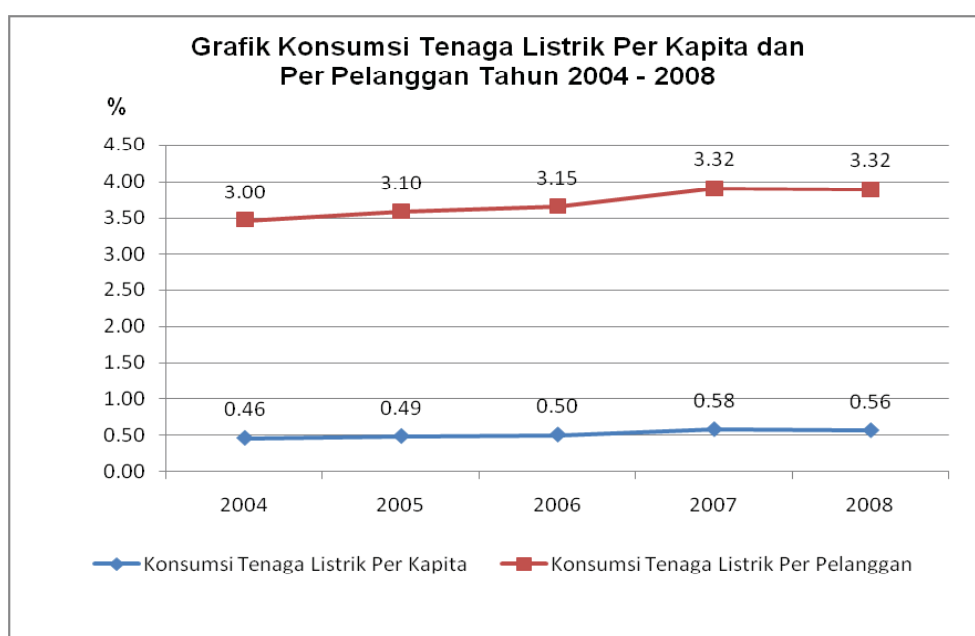
TABEL 24  
JUMLAH PELANGGAN PER KELOMPOK PELANGGAN PER WILAYAH 2008  
NUMBER OF CUSTOMERS BY SECTOR AND BY REGION 2008

| NO.<br>Nr. | WILAYAH PROPINSI          | PROVINCE REGION           | KELOMPOK PELANGGAN<br>TYPE OF COSTUMERS |                        |                     |
|------------|---------------------------|---------------------------|-----------------------------------------|------------------------|---------------------|
|            |                           |                           | RUMAH TANGGA<br>RESIDENTIAL             | INDUSTRI<br>INDUSTRIAL | USAHA<br>COMMERCIAL |
| 1.         | NANGGROE ACEH DARUS-SALAM | NANGGROE ACEH DARUS-SALAM | 819,112                                 | 947                    | 50,482              |
| 2.         | SUMATERA UTARA            | NORTH SUMATERA            | 2,220,259                               | 3,513                  | 83,092              |
| 3.         | SUMATERA BARAT            | WEST SUMATERA             | 768,796                                 | 291                    | 50,304              |
| 4.         | R I A U                   | RIAU                      | 565,849                                 | 261                    | 64,284              |
| 5.         | SUMATERA SELATAN          | SOUTH SUMATERA            | 803,881                                 | 326                    | 33,043              |
| 6.         | JAMBI                     | JAMBI                     | 306,151                                 | 151                    | 18,758              |
| 7.         | BENGKULU                  | BENGKULU                  | 211,815                                 | 38                     | 9,621               |
| 8.         | BANGKA BELITUNG           | BANGKA BELITUNG           | 127,894                                 | 113                    | 5,692               |
| 9.         | LAMPUNG                   | LAMPUNG                   | 858,978                                 | 239                    | 24,322              |
| 10.        | KALIMANTAN BARAT          | WEST KALIMANTAN           | 475,712                                 | 342                    | 43,954              |
| 11.        | KALIMANTAN SELATAN        | SOUTH KALIMANTAN          | 587,460                                 | 455                    | 25,173              |
| 12.        | KALIMANTAN TENGAH         | CENTRE KALIMANTAN         | 216,585                                 | 114                    | 19,398              |
| 13.        | KALIMANTAN TIMUR          | EAST KALIMANTAN           | 406,143                                 | 244                    | 25,847              |
| 14.        | SULAWESI UTARA            | NORTH SULAWESI            | 353,023                                 | 378                    | 12,721              |
| 15.        | GORONTALO                 | GORONTALO                 | 99,829                                  | 86                     | 3,849               |
| 16.        | SULAWESI TENGAH           | CENTRE SULAWESI           | 265,779                                 | 200                    | 10,514              |
| 17.        | SULAWESI SELATAN          | SOUTH SULAWESI            | 1,116,330                               | 1,044                  | 46,891              |
| 18.        | SULAWESI TENGGARA         | SOUTH EAST SULAWESI       | 183,493                                 | 122                    | 8,729               |
| 19.        | SULAWESI BARAT            | WEST SULAWESI             | 83,364                                  | 29                     | 4,262               |
| 20.        | MALUKU                    | MALUKU                    | 175,207                                 | 40                     | 6,489               |
| 21.        | MALUKU UTARA              | NORTH MALUKU              | 94,361                                  | 21                     | 4,136               |
| 22.        | PAPUA                     | PAPUA                     | 182,342                                 | 64                     | 27,754              |
| 23.        | BALI                      | BALI                      | 645,356                                 | 663                    | 63,590              |
| 24.        | NUSA TENGGARA BARAT       | WEST NUSA TENGGARA        | 331,749                                 | 146                    | 15,155              |
| 25.        | NUSA TENGGARA TIMUR       | EAST NUSA TENGGARA        | 218,662                                 | 117                    | 17,748              |
| 26.        | PT PLN BATAM              | PT. PLN BATAM             | 164,776                                 | 260                    | 20,782              |
| 27.        | PT PLN TARAKAN            | PT. PLN TARAKAN           | 24,771                                  | -                      | 7,929               |
|            | LUAR JAWA                 | OUT SIDE JAVA             | 12,307,677                              | 10,204                 | 704,519             |
| 28.        | JAWA TIMUR                | EAST JAVA                 | 6,373,245                               | 11,032                 | 315,469             |
| 29.        | JAWA TENGAH               | CENTRAL JAVA              | 5,791,744                               | 4,395                  | 188,052             |
| 30.        | DI Yogyakarta             | D.I YOGYAKARTA            | 717,270                                 | 460                    | 28,844              |
| 31.        | JAWA BARAT                | WEST JAVA                 | 6,999,911                               | 10,489                 | 217,985             |
| 32.        | BANTEN                    | BANTEN                    | 684,445                                 | 508                    | 14,415              |
| 33.        | DKI. JAYA & TANGERANG     | DKI JAYA & TANGERANG      | 3,150,779                               | 10,448                 | 246,762             |
|            | J A W A                   | JAVA                      | 23,717,394                              | 37,332                 | 1,011,527           |
|            | INDONESIA                 | INDONESIA                 | 36,025,071                              | 47,536                 | 1,716,046           |

| KELOMPOK PELANGGAN<br>TYPE OF CUSTOMERS |                                                |                                                    | JUMLAH<br>TOTAL |
|-----------------------------------------|------------------------------------------------|----------------------------------------------------|-----------------|
| SOSIAL<br>SOCIAL                        | GED. KANTOR<br>PEMERINTAH<br>GOVERNMENT OFFICE | PENERANGAN<br>JALAN UMUM<br>PUBLIC STREET LIGHTING |                 |
| 24,228                                  | 4,664                                          | 609                                                | 900,042         |
| 43,288                                  | 5,228                                          | 11,512                                             | 2,366,892       |
| 22,210                                  | 3,791                                          | 1,558                                              | 846,950         |
| 11,532                                  | 3,069                                          | 1,238                                              | 646,233         |
| 13,625                                  | 2,994                                          | 2,068                                              | 855,937         |
| 6,080                                   | 1,773                                          | 602                                                | 333,515         |
| 4,472                                   | 1,173                                          | 504                                                | 227,623         |
| 2,828                                   | 907                                            | 378                                                | 137,812         |
| 18,276                                  | 2,032                                          | 1,031                                              | 904,878         |
| 11,689                                  | 2,682                                          | 830                                                | 535,209         |
| 15,549                                  | 2,811                                          | 1,578                                              | 633,026         |
| 6,489                                   | 2,355                                          | 764                                                | 245,705         |
| 9,636                                   | 2,608                                          | 1,538                                              | 446,016         |
| 9,217                                   | 1,607                                          | 392                                                | 377,338         |
| 3,171                                   | 745                                            | 281                                                | 107,961         |
| 7,280                                   | 1,862                                          | 418                                                | 286,053         |
| 18,833                                  | 4,983                                          | 2,566                                              | 1,190,647       |
| 3,880                                   | 1,693                                          | 363                                                | 198,280         |
| 1,725                                   | 660                                            | 107                                                | 90,147          |
| 3,914                                   | 1,297                                          | 81                                                 | 187,028         |
| 2,675                                   | 954                                            | 281                                                | 102,428         |
| 6,618                                   | 3,140                                          | 925                                                | 220,843         |
| 20,094                                  | 2,688                                          | 3,548                                              | 735,939         |
| 11,438                                  | 2,241                                          | 1,145                                              | 361,874         |
| 6,359                                   | 3,050                                          | 420                                                | 246,356         |
| 1,697                                   | 272                                            | 442                                                | 188,229         |
| 381                                     | 211                                            | 189                                                | 33,481          |
| 287,184                                 | 61,490                                         | 35,368                                             | 13,406,442      |
| 155,837                                 | 11,787                                         | 22,881                                             | 6,890,251       |
| 153,372                                 | 13,190                                         | 19,895                                             | 6,170,648       |
| 18,958                                  | 2,158                                          | 2,603                                              | 770,293         |
| 162,724                                 | 9,498                                          | 22,832                                             | 7,423,439       |
| 20,594                                  | 1,200                                          | 1,593                                              | 722,755         |
| 39,460                                  | 4,498                                          | 8,311                                              | 3,460,258       |
| 550,945                                 | 42,331                                         | 78,115                                             | 25,437,644      |
| 838,129                                 | 103,821                                        | 113,483                                            | 38,844,086      |

TABEL 25  
KONSUMSI TENAGA LISTRIK PER KAPITA DAN PER PELANGGAN  
ELECTRICITY CONSUMPTION PER CAPITA AND PER CUSTOMER

| TAHUN<br>YEAR | JUMLAH PENDUDUK<br>NUMBER OF POPULATION | JUMLAH PELANGGAN<br>NUMBER OF CUSTOMERS | PENJUALAN TENAGA LISTRIK<br>ENERGY SOLD<br>GWh |
|---------------|-----------------------------------------|-----------------------------------------|------------------------------------------------|
| 2000          | 203,456.01                              | 38,844,086                              | 79,164.81                                      |
| 2001          | 208,900.60                              | 29,827,728                              | 84,520.38                                      |
| 2002          | 212,003.50                              | 30,953,919                              | 87,088.74                                      |
| 2003          | 215,152.38                              | 32,151,416                              | 90,440.94                                      |
| 2004          | 217,854.10                              | 33,366,446                              | 100,097.46                                     |
| 2005          | 220,553.07                              | 34,559,353                              | 107,032.23                                     |
| 2006          | 223,013.78                              | 35,751,224                              | 112,609.80                                     |
| 2007          | 223,013.78                              | 38,844,086                              | 129,018.81                                     |
| 2008          | 228,523.30                              | 38,844,086                              | 129,018.81                                     |

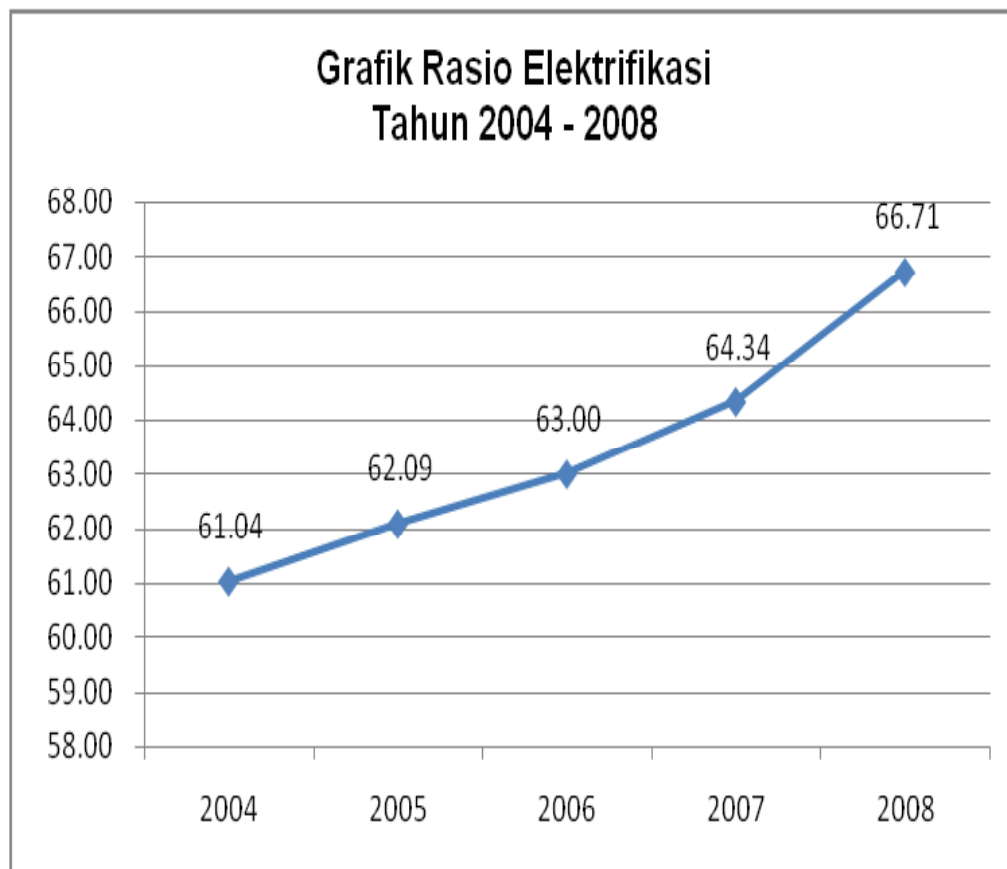


TABEL 26  
RASIO ELEKTRIFIKASI INDONESIA  
INDONESIA ELECTRIFICATION RATIO

| TAHUN<br>YEAR | JUMLAH RUMAH<br>TANGGA<br>NUMBER OF RESIDENTIAL | JUMLAH PELANGGAN<br>RUMAH TANGGA<br>RESIDENTIAL CUSTOMERS | RASIO ELEKTRIFIKASI<br>ELECTRIFICATION RATIO<br>(%) |
|---------------|-------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------|
| 2000          | 46.233.049,00                                   | 26.796.675,00                                             | 57,96                                               |
| 2001          | 47.618.873,00                                   | 27.885.612,00                                             | 58,56                                               |
| 2002          | 49.046.878,00                                   | 28.903.325,00                                             | 58,93                                               |
| 2003          | 50.526.451,00                                   | 29.997.554,00                                             | 59,37                                               |
| 2004          | 50.943.594,36                                   | 31.095.970,00                                             | 61,04                                               |
| 2005          | 51.819.109,36                                   | 32.174.485,00                                             | 62,09                                               |
| 2006          | 52.568.669,84                                   | 33.118.262,00                                             | 63,00                                               |
| 2007          | 55.376.391,54                                   | 35.630.074,00                                             | 64,34                                               |
| 2008          | 56.088.255,65                                   | 37.419.257,00                                             | 66,71                                               |

Catatan : tahun 2006 angka MESDM s.d Trw. III 2005

| KONSUMSI TENAGA LISTRIK<br>PER KAPITA<br>ENERGY CONSUMPTION<br>PER CAPITA<br>MWh | KONSUMSI TENAGA LISTRIK<br>PER PELANGGAN<br>ENERGY CONSUMPTION<br>PER CUSTOMER<br>MWh |
|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 0.389                                                                            | 2.038                                                                                 |
| 0.405                                                                            | 2.834                                                                                 |
| 0.411                                                                            | 2.813                                                                                 |
| 0.420                                                                            | 2.813                                                                                 |
| 0.459                                                                            | 3.000                                                                                 |
| 0.485                                                                            | 3.097                                                                                 |
| 0.505                                                                            | 3.150                                                                                 |
| 0.579                                                                            | 3.321                                                                                 |
| 0.565                                                                            | 3.321                                                                                 |



TABEL 27  
RASIO ELEKTRIFIKASI TAHUN 2008  
ELECTRIFICATION RATIO YEAR 2008

| NO. | PROPINSI<br>PROVINCE          | KELUARGA<br>BERLISTRIK (PLN)<br>HOUSEHOLD APPLIANCES<br>(PLN) | KELUARGA<br>BERLISTRIK (NON PLN)<br>HOUSEHOLD APPLIANCES<br>(NON PLN) | KELUARGA<br>BERLISTRIK NON PLN<br>DAN EBT<br>HOUSEHOLD APPLIANCES<br>(NON PLN) AND RENEWABLE<br>ENERGY |
|-----|-------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
|     |                               | (a)                                                           | (b)                                                                   | (c)                                                                                                    |
| 1.  | NANGGRO ACEH DAR-<br>USALAM   | 819,112                                                       | 21,159.00                                                             | 1,920.00                                                                                               |
| 2.  | SUMATERA UTARA                | 2,220,259                                                     | 40,522.00                                                             | 1,984.00                                                                                               |
| 3.  | SUMATERA BARAT                | 768,796                                                       | 21,952.00                                                             | 1,103.00                                                                                               |
| 4.  | RIAU DAN KEPULAUAN<br>RIAU    | 565,849                                                       | 222,527.00                                                            | 1,533.00                                                                                               |
| 5.  | SUMATERA SELATAN              | 803,881                                                       | 109,481.00                                                            | 2,518.00                                                                                               |
| 6.  | JAMBI                         | 306,151                                                       | 70,905.00                                                             | 2,192.00                                                                                               |
| 7.  | BENGKULU                      | 211,815                                                       | 11,861.00                                                             | 1,513.00                                                                                               |
| 8.  | BANGKA BELITUNG               | 127,894                                                       | 48,885.00                                                             | 777.00                                                                                                 |
| 9.  | LAMPUNG                       | 858,978                                                       | 96,102.00                                                             | 2,503.00                                                                                               |
| 10. | DKI JAKARTA                   | 3,150,779                                                     | 5,266.00                                                              | -                                                                                                      |
| 11. | BANTEN                        | 684,445                                                       | 7,706.00                                                              | 508.00                                                                                                 |
| 12. | JAWA BARAT                    | 6,999,911                                                     | 50,282.00                                                             | 838.00                                                                                                 |
| 13. | JAWA TENGAH                   | 5,791,744                                                     | 34,814.00                                                             | 1,216.00                                                                                               |
| 14. | DI. YOGYAKARTA                | 717,270                                                       | 27.00                                                                 | -                                                                                                      |
| 15. | JAWA TIMUR                    | 6,373,245                                                     | 87,145.00                                                             | 655.00                                                                                                 |
| 16. | BALI                          | 645,356                                                       | 7,036.00                                                              | 250.00                                                                                                 |
| 17. | NUSA TENGGARA BARAT           | 331,749                                                       | 30,997.00                                                             | 2,268.00                                                                                               |
| 18. | NUSA TENGGARA TIMUR           | 218,662                                                       | 44,056.00                                                             | 3,554.00                                                                                               |
| 19. | KALIMANTAN BARAT              | 475,712                                                       | 42,365.00                                                             | 1,704.00                                                                                               |
| 20. | KALIMANTAN TENGAH             | 216,585                                                       | 31,490.00                                                             | 1,925.00                                                                                               |
| 21. | KALIMANTAN SELATAN            | 587,460                                                       | 18,530.00                                                             | 1,205.00                                                                                               |
| 22. | KALIMANTAN TIMUR              | 406,143                                                       | 66,203.00                                                             | 1,933.00                                                                                               |
| 23. | SULAWESI UTARA                | 353,023                                                       | 11,054.00                                                             | 1,396.00                                                                                               |
| 24. | SULAWESI TENGAH               | 265,779                                                       | 32,109.00                                                             | 2,480.00                                                                                               |
| 25. | SULAWESI SELATAN              | 1,116,330                                                     | 89,802.00                                                             | 3,040.00                                                                                               |
| 26. | SULAWESI TENGGARA             | 183,493                                                       | 22,691.00                                                             | 3,174.00                                                                                               |
| 27. | SULAWESI BARAT                | 83,364                                                        |                                                                       | 958.00                                                                                                 |
| 28. | GORONTALO                     | 99,829                                                        | 6,862.00                                                              | 1,381.00                                                                                               |
| 29. | MALUKU                        | 175,207                                                       | 8,360.00                                                              | 1,494.00                                                                                               |
| 30. | MALUKU UTARA                  | 94,361                                                        | 18,292.00                                                             | 1,311.00                                                                                               |
| 31. | PAPUA DAN IRIAN JAYA<br>BARAT | 182,342                                                       | 24,905.00                                                             | 1,659.00                                                                                               |
| 32. | PT PLN BATAM                  | 164,776                                                       | -                                                                     | -                                                                                                      |
| 33. | PT PLN TARAKAN                | 24,771                                                        | -                                                                     | -                                                                                                      |
|     | TOTAL INDONESIA               | 36,025,071                                                    | 1,283,386.00                                                          | 48,992.00                                                                                              |

Nb :

Berdasarkan Data Bps, Statistik Pln, Satker Lisdes Dan Ebt

| KELUARGA<br>BERLISTRIK NON PLN<br>LISDES<br>HOUSEHOLD APPLIANCES<br>RURAL ELECTRIFICATION | JUMLAH<br>KELUARGA<br>NUMBER OF HOUSE-<br>HOLD | RASIO<br>ELEKTRIFIKASI (%)<br>ELECTRIFICATION RATIO<br>(%) |
|-------------------------------------------------------------------------------------------|------------------------------------------------|------------------------------------------------------------|
| (d)                                                                                       | (e)                                            | (a+b+c+d)/e*100%                                           |
| 2,420.00                                                                                  | 1,002,170.20                                   | 84.28                                                      |
| 2,138.00                                                                                  | 3,141,956.98                                   | 72.09                                                      |
| 1,640.00                                                                                  | 1,096,596.09                                   | 72.36                                                      |
| 2,578.00                                                                                  | 1,634,269.69                                   | 48.49                                                      |
| 2,578.00                                                                                  | 1,717,664.87                                   | 53.47                                                      |
| 2,185.00                                                                                  | 679,078.53                                     | 56.17                                                      |
| 1,756.00                                                                                  | 414,439.80                                     | 54.76                                                      |
| 2,150.00                                                                                  | 246,467.59                                     | 72.91                                                      |
| 1,850.00                                                                                  | 1,849,565.65                                   | 51.87                                                      |
| -                                                                                         | 2,170,195.11                                   | 145.43                                                     |
| 617.00                                                                                    | 2,421,857.97                                   | 28.63                                                      |
| 700.00                                                                                    | 9,958,546.23                                   | 70.81                                                      |
| 680.00                                                                                    | 7,908,482.52                                   | 73.70                                                      |
| -                                                                                         | 1,048,101.00                                   | 68.44                                                      |
| 1,076.00                                                                                  | 8,825,361.64                                   | 73.22                                                      |
| 550.00                                                                                    | 853,600.23                                     | 76.52                                                      |
| 2,196.00                                                                                  | 1,106,223.35                                   | 33.19                                                      |
| 5,264.00                                                                                  | 1,044,938.85                                   | 25.99                                                      |
| 1,680.00                                                                                  | 1,119,076.11                                   | 46.60                                                      |
| 3,438.00                                                                                  | 555,721.62                                     | 45.61                                                      |
| 1,600.00                                                                                  | 823,438.11                                     | 73.93                                                      |
| 1,980.00                                                                                  | 729,012.22                                     | 65.33                                                      |
| 2,486.00                                                                                  | 540,874.47                                     | 68.03                                                      |
| 2,221.00                                                                                  | 615,036.35                                     | 49.20                                                      |
| 4,200.00                                                                                  | 2,141,830.41                                   | 56.65                                                      |
| 3,304.00                                                                                  | 540,628.25                                     | 39.34                                                      |
| 600.00                                                                                    | 232,815.00                                     | 36.48                                                      |
| 2,014.00                                                                                  | 218,275.24                                     | 50.43                                                      |
| 3,510.00                                                                                  | 320,924.93                                     | 58.76                                                      |
| 2,332.00                                                                                  | 227,065.34                                     | 51.22                                                      |
| 2,065.00                                                                                  | 649,901.29                                     | 32.46                                                      |
| -                                                                                         | 214,409.00                                     | 76.85                                                      |
| -                                                                                         | 39,731.00                                      | 62.35                                                      |
| 61,808.00                                                                                 | 56,088,255.65                                  | 66.71                                                      |

TABEL 28  
NERACA PENGUSAHAAN TENAGA LISTRIK PLN PER WILAYAH 2008  
PLN'S ELECTRICITY BALANCE BY REGION 2008  
(MWh)

| NO<br>Nr | WILAYAH<br>REGION                 | DIBELI DARI<br>LUAR PLN<br>(NON PLN)<br>PURCHASED<br>FROM<br>OUTSIDE<br>PLN | TERIMA DARI<br>UNIT LAIN<br>RECEIVED<br>FROM OTHER<br>UNIT | PRODUKSI<br>SENDIRI *)<br>PLN'S PRO-<br>DUCTION | PEMAKAIAN<br>SENDIRI<br>OWN USED |      | PRODUKSI<br>NETTO<br>PRODUCTION<br>NETTO | PEMAKAIAN<br>SENDIRI<br>GARDU INDUK<br>OWN USE<br>SUB STATION |      | SUSUT<br>TRANSI-<br>MISI<br>TRANS-<br>MISSION<br>LOSSES |
|----------|-----------------------------------|-----------------------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------|----------------------------------|------|------------------------------------------|---------------------------------------------------------------|------|---------------------------------------------------------|
|          |                                   |                                                                             |                                                            |                                                 | MWh                              | %    |                                          | MWh                                                           | %    |                                                         |
| 1        | NANGGROE ACEH DARUSSALAM          | 13.14                                                                       | 1,079.08                                                   | 273.61                                          | 7.52                             | 2.75 | 1,358.31                                 | -                                                             | -    | -                                                       |
| 2        | SUMATERA UTARA                    | 15.57                                                                       | 6,452.60                                                   | 0.98                                            | -                                | -    | 6,469.15                                 | -                                                             | -    | -                                                       |
| 3        | SUMATERA BARAT                    | 1.80                                                                        | 2,025.01                                                   | 76.06                                           | 1.67                             | 2.20 | 2,101.19                                 | -                                                             | -    | -                                                       |
| 4        | RIAU                              | 46.27                                                                       | 1,596.66                                                   | 708.33                                          | 21.81                            | 3.08 | 2,329.45                                 | -                                                             | -    | -                                                       |
| 5        | SUMSEL, JAMBI, DAN BENGKULU       | 265.37                                                                      | 3,358.94                                                   | 79.49                                           | 1.25                             | 1.57 | 3,702.55                                 | -                                                             | -    | -                                                       |
| 6        | BANGKA BELITUNG                   | 7.97                                                                        | -                                                          | 406.24                                          | 8.00                             | 1.97 | 406.21                                   | -                                                             | -    | -                                                       |
| 7        | LAMPUNG                           | -                                                                           | 2,155.86                                                   | 7.88                                            | 0.28                             | 3.56 | 2,163.46                                 | -                                                             | -    | -                                                       |
| 8        | KALIMANTAN BARAT                  | -                                                                           | -                                                          | 1,234.65                                        | 37.28                            | 3.02 | 1,197.37                                 | -                                                             | -    | 2.44                                                    |
| 9        | KALSEL DAN KALTENG                | 74.49                                                                       | -                                                          | 1,865.16                                        | 127.16                           | 6.82 | 1,812.49                                 | 1.06                                                          | 0.06 | 14.54                                                   |
| 10       | KALIMANTAN TIMUR                  | 81.41                                                                       | -                                                          | 1,650.23                                        | 28.80                            | 1.75 | 1,702.85                                 | 0.64                                                          | 0.04 | 20.16                                                   |
| 11       | SULUT, SULTENG DAN GORON-<br>TALO | 188.90                                                                      | -                                                          | 1,286.49                                        | 47.73                            | 3.71 | 1,427.66                                 | 0.50                                                          | 0.03 | 23.13                                                   |
| 12       | SULSEL, SULTRA, & SULBAR          | 1,600.46                                                                    | -                                                          | 1,770.03                                        | 35.59                            | 2.01 | 3,334.90                                 | 1.80                                                          | 0.05 | 127.44                                                  |
| 13       | MALUKU DAN MALUKU UTARA           | -                                                                           | -                                                          | 459.97                                          | 11.82                            | 2.57 | 448.15                                   | -                                                             | -    | -                                                       |
| 14       | PAPUA                             | 11.21                                                                       | -                                                          | 667.96                                          | 10.30                            | 1.54 | 668.87                                   | -                                                             | -    | -                                                       |
| 15       | DISTRIBUSI BALI                   | 0.50                                                                        | 2,715.21                                                   | 8.33                                            | 0.01                             | 0.17 | 2,724.03                                 | -                                                             | -    | -                                                       |
| 16       | NUSA TENGGARA BARAT               | -                                                                           | -                                                          | 711.92                                          | 33.72                            | 4.74 | 678.20                                   | -                                                             | -    | -                                                       |
| 17       | NUSA TENGGARA TIMUR               | 0.00                                                                        | -                                                          | 371.34                                          | 5.66                             | 1.52 | 365.69                                   | -                                                             | -    | -                                                       |
| 18       | PT PLN BATAM                      | 432.31                                                                      | -                                                          | 900.15                                          | 3.57                             | 0.40 | 1,328.89                                 | 0.60                                                          | 0.05 | 5.74                                                    |
| 19       | PT PLN TARAKAN                    | 53.33                                                                       | -                                                          | 114.39                                          | 3.14                             | 2.74 | 164.58                                   | -                                                             | -    | -                                                       |
| 20       | KITLUR SUMBAGUT                   | -                                                                           | 67.78                                                      | 8,787.47                                        | 256.65                           | 2.92 | 8,598.60                                 | -                                                             | -    | -                                                       |
| 21       | KITLUR SUMBAGSEL                  | 58.80                                                                       | 21.01                                                      | 7,114.55                                        | 435.14                           | 6.12 | 6,759.22                                 | -                                                             | -    | -                                                       |
| 22       | P3B SUMATERA                      | 1,964.89                                                                    | 15,260.84                                                  | -                                               | -                                | -    | 17,225.73                                | 20.54                                                         | 0.12 | 565.30                                                  |
|          | LUAR JAWA                         | 4,816.41                                                                    | 2,715.21                                                   | 28,495.23                                       | 1,077.10                         | 3.78 | 34,949.76                                | 25.14                                                         | 0.07 | 758.75                                                  |
| 23       | DIST. JAWA TIMUR                  | 0.13                                                                        | 21,849.53                                                  | 22.33                                           | 0.01                             | 0.06 | 21,871.98                                | -                                                             | -    | -                                                       |
| 24       | DIST. JATENG DAN<br>DI.YOGYAKARTA | 15.47                                                                       | 15,285.63                                                  | 9.98                                            | 0.01                             | 0.07 | 15,311.07                                | -                                                             | -    | -                                                       |
| 25       | DIST. JAWA BARAT DAN BANTEN       | 49.57                                                                       | 37,082.92                                                  | 0.35                                            | 0.00                             | 0.33 | 37,132.83                                | -                                                             | -    | -                                                       |
| 26       | DIST. JAKARTA RAYA &<br>TANGERANG | -                                                                           | 33,656.01                                                  | -                                               | -                                | -    | 33,656.01                                | -                                                             | -    | -                                                       |
| 27       | PT INDONESIA POWER                | -                                                                           | 209.66                                                     | 44,283.43                                       | 1,875.48                         | 4.24 | 42,617.61                                | -                                                             | -    | -                                                       |
| 28       | PT PJB                            | -                                                                           | 116.86                                                     | 30,282.01                                       | 1,285.37                         | 4.24 | 29,113.50                                | -                                                             | -    | -                                                       |
| 29       | P3B JAWA BALI                     | 26,508.06                                                                   | 85,804.23                                                  | -                                               | -                                | -    | 112,312.29                               | 60.63                                                         | 0.05 | 2,368.08                                                |
| 30       | PEMBANGKITAN MUARA TAWAR          | -                                                                           | 7.01                                                       | 1,921.65                                        | 31.34                            | 1.63 | 1,897.32                                 | -                                                             | -    | -                                                       |
| 31       | PLTGU CILEGON                     | -                                                                           | 2.80                                                       | 3,793.67                                        | 84.74                            | 2.23 | 3,711.73                                 | 0.00                                                          | 0.00 | -                                                       |
| 32       | TJ. JATI B                        | -                                                                           | 11.11                                                      | 9,238.18                                        | 714.95                           | 7.74 | 8,534.34                                 | -                                                             | -    | -                                                       |
|          | LUAR JAWA BALI                    | 26,573.23                                                                   | -                                                          | 89,551.60                                       | 3,991.91                         | 4.46 | 112,132.93                               | 60.63                                                         | 0.05 | 2,368.08                                                |
|          | INDONESIA                         | 31,389.65                                                                   | -                                                          | 118,046.83                                      | 5,069.00                         | 4.29 | 144,367.47                               | 85.77                                                         | 0.06 | 3,126.83                                                |

Keterangan:

\*) termasuk sewa genset dan sewa PLTG

\*\*) termasuk ke luar PLN

\*\*\*) Pemakaian sendiri GI dan Sistem Distribusi

| SUSUT<br>TRANSMISI<br>TRANS-<br>MISSION<br>LOSSES | DIKIRIM KE<br>UNIT LAIN **)<br>SEND TO<br>OTHER UNIT | DIKIRIM KE<br>DISTRIBUSI<br>SEND TO<br>DISTRIBUTION | PEMAKAIAN SENDIRI OWN USE                                  |      |                                                 |       | SUSUT ENERGI<br>PLN'S LOSSES |       | SUSUT ENERGI<br>& PEMAKAIAN<br>SENDIRI ***)<br>PLN'S LOSSES<br>& OWN USED |       | PEMAKAIAN<br>USED |       |
|---------------------------------------------------|------------------------------------------------------|-----------------------------------------------------|------------------------------------------------------------|------|-------------------------------------------------|-------|------------------------------|-------|---------------------------------------------------------------------------|-------|-------------------|-------|
|                                                   |                                                      |                                                     | GARDU DISTRIBUSI<br>OWN USE<br>DISTRIBUTION<br>SUB STATION |      | SUSUT DISTRI-<br>BUSI<br>DISTRIBUTION<br>LOSSES |       |                              |       |                                                                           |       |                   |       |
| %                                                 |                                                      |                                                     | MWh                                                        | %    | MWh                                             | %     | MWh                          | %     | MWh                                                                       | %     | MWh               | %     |
| -                                                 | -                                                    | 1,358.31                                            | 1.22                                                       | 0.09 | 198.25                                          | 4.60  | 198.25                       | 14.60 | 199.47                                                                    | 14.69 | 1,158.84          | 85.31 |
| -                                                 | 52.63                                                | 6,416.52                                            | 0.46                                                       | 0.01 | 627.04                                          | 9.69  | 627.04                       | 9.69  | 627.50                                                                    | 9.70  | 5,789.03          | 89.49 |
| -                                                 | 12.02                                                | 2,089.17                                            | 1.10                                                       | 0.05 | 155.44                                          | 7.40  | 155.44                       | 7.40  | 156.55                                                                    | 7.45  | 1,932.62          | 91.98 |
| -                                                 | 27.67                                                | 2,301.78                                            | 7.76                                                       | 0.33 | 252.38                                          | 10.83 | 252.38                       | 10.83 | 260.14                                                                    | 11.17 | 2,041.64          | 87.64 |
| -                                                 | 3.38                                                 | 3,699.17                                            | 3.33                                                       | 0.09 | 377.11                                          | 0.19  | 377.11                       | 10.19 | 380.44                                                                    | 10.28 | 3,318.73          | 89.63 |
| -                                                 | -                                                    | 406.21                                              | -                                                          | -    | 37.96                                           | 9.34  | 37.96                        | 9.34  | 37.96                                                                     | 9.34  | 368.25            | 90.66 |
| -                                                 | -                                                    | 2,163.46                                            | 19.92                                                      | 0.92 | 237.80                                          | 0.99  | 237.80                       | 10.99 | 257.73                                                                    | 11.91 | 1,905.73          | 88.09 |
| 0.20                                              | -                                                    | 1,194.93                                            | -                                                          | -    | 117.39                                          | 9.80  | 119.83                       | 10.01 | 119.83                                                                    | 10.01 | 1,077.54          | 89.99 |
| 0.80                                              | -                                                    | 1,796.89                                            | -                                                          | -    | 171.95                                          | 9.49  | 186.49                       | 10.29 | 187.55                                                                    | 10.35 | 1,624.94          | 89.65 |
| 1.18                                              | -                                                    | 1,682.04                                            | 0.98                                                       | 0.06 | 124.35                                          | 7.30  | 144.51                       | 8.49  | 146.13                                                                    | 8.58  | 1,556.72          | 91.42 |
| 1.62                                              | -                                                    | 1,404.04                                            | 0.84                                                       | 0.06 | 120.91                                          | 8.47  | 144.04                       | 10.09 | 145.38                                                                    | 10.18 | 1,282.28          | 89.82 |
| 3.82                                              | -                                                    | 3,205.57                                            | 1.91                                                       | 0.06 | 237.90                                          | 7.13  | 365.34                       | 10.96 | 369.05                                                                    | 11.07 | 2,965.76          | 88.93 |
| -                                                 | -                                                    | 448.15                                              | -                                                          | -    | 41.29                                           | 9.21  | 41.29                        | 9.21  | 41.29                                                                     | 9.21  | 406.86            | 90.79 |
| -                                                 | -                                                    | 668.87                                              | -                                                          | -    | 66.61                                           | 9.96  | 66.61                        | 9.96  | 66.61                                                                     | 9.96  | 602.26            | 90.04 |
| -                                                 | -                                                    | 2,724.03                                            | -                                                          | -    | 161.18                                          | 5.92  | 161.18                       | 5.92  | 161.18                                                                    | 5.92  | 2,562.85          | 94.08 |
| -                                                 | -                                                    | 678.20                                              | 0.07                                                       | 0.01 | 56.36                                           | 8.31  | 56.36                        | 8.31  | 56.42                                                                     | 8.32  | 621.78            | 91.68 |
| -                                                 | -                                                    | 365.69                                              | 0.04                                                       | 0.01 | 26.86                                           | 7.35  | 26.86                        | 7.35  | 26.90                                                                     | 7.36  | 338.79            | 92.64 |
| 0.43                                              | -                                                    | 1,322.54                                            | 0.70                                                       | 0.05 | 87.23                                           | 6.56  | 92.97                        | 7.00  | 94.27                                                                     | 7.09  | 1,234.62          | 92.91 |
| -                                                 | -                                                    | 164.58                                              | -                                                          | -    | 5.53                                            | 3.36  | 5.53                         | 3.36  | 5.53                                                                      | 3.36  | 159.05            | 96.64 |
| -                                                 | 8,598.60                                             | 0.00                                                | -                                                          | -    | 0.00                                            | 0.00  | 0.00                         | 0.00  | 0.00                                                                      | 0.00  | -                 | -     |
| -                                                 | 6,759.22                                             | -                                                   | -                                                          | -    | -                                               | -     | -                            | -     | -                                                                         | -     | -                 | -     |
| 3.28                                              | 16,570.71                                            | -                                                   | -                                                          | -    | -                                               | -     | 565.30                       | 3.28  | 585.84                                                                    | 3.40  | -                 | -     |
| 2.17                                              | 32,024.23                                            | 34,090.15                                           | 38.33                                                      | 0.11 | 3,103.53                                        | 8.88  | 3,862.29                     | 11.05 | 3,925.76                                                                  | 11.23 | 30,948.29         | 88.55 |
| -                                                 | -                                                    | 21,871.98                                           | -                                                          | -    | 1,580.25                                        | 7.22  | 1,580.25                     | 7.22  | 1,580.25                                                                  | 7.22  | 20,291.73         | 92.78 |
| -                                                 | 0.14                                                 | 15,310.94                                           | -                                                          | -    | 1,061.14                                        | 6.93  | 1,061.14                     | 6.93  | 1,061.14                                                                  | 6.93  | 14,249.80         | 93.07 |
| -                                                 | 233.89                                               | 36,898.94                                           | 72.81                                                      | 0.20 | 2,953.02                                        | 7.95  | 2,953.02                     | 7.95  | 3,025.83                                                                  | 8.15  | 33,873.11         | 91.22 |
| -                                                 | 802.69                                               | 32,853.32                                           | 114.43                                                     | 0.34 | 3,291.37                                        | 9.78  | 3,291.37                     | 9.78  | 3,405.80                                                                  | 10.12 | 29,447.51         | 87.50 |
| -                                                 | 42,617.61                                            | -                                                   | -                                                          | -    | -                                               | -     | -                            | -     | -                                                                         | -     | -                 | -     |
| -                                                 | 29,113.50                                            | -                                                   | -                                                          | -    | -                                               | -     | -                            | -     | -                                                                         | -     | -                 | -     |
| 2.11                                              | 109,815.13                                           | -                                                   | -                                                          | -    | -                                               | -     | 2,368.08                     | 2.11  | 2,428.71                                                                  | 2.16  | -                 | -     |
| -                                                 | 1,897.32                                             | -                                                   | -                                                          | -    | -                                               | -     | -                            | -     | -                                                                         | -     | -                 | -     |
| -                                                 | 3,711.73                                             | (0.00)                                              | -                                                          | -    | -                                               | -     | -                            | -     | 0.00                                                                      | 0.00  | -                 | -     |
| -                                                 | 8,534.34                                             | -                                                   | -                                                          | -    | -                                               | -     | -                            | -     | -                                                                         | -     | -                 | -     |
| 2.11                                              | 2,715.21                                             | 106,935.18                                          | 187.24                                                     | 0.17 | 8,885.77                                        | 7.92  | 11,253.85                    | 10.04 | 11,501.73                                                                 | 10.26 | 97,862.16         | 87.27 |
| 2.17                                              | 152.15                                               | 141,002.72                                          | 225.57                                                     | 0.16 | 1,966.70                                        | 8.29  | 15,093.53                    | 10.45 | 15,404.88                                                                 | 10.67 | 28,810.45         | 91.35 |



TABEL 29  
PEMAKAIAN BAHAN BAKAR PER JENIS PEMBANGKIT  
FUEL CONSUMPTION BY TYPE OF POWER PLANT

| TAHUN<br>YEAR | PLTU                |                        |                                  | PLTG                      |
|---------------|---------------------|------------------------|----------------------------------|---------------------------|
|               | MINYAK<br>STEAM OIL | BATUBARA<br>STEAM COAL | GAS ALAM<br>STEAM NATURAL<br>GAS | MINYAK Oil<br>GAS TURBINE |
|               | (kilo liter)        | (ton)                  | (mmscf)                          | (kilo liter)              |
| 1997          | -                   | 9.961.959,00           | -                                | -                         |
| 1998          | -                   | 10.634.490,00          | -                                | -                         |
| 1999          | -                   | 11.414.098,00          | -                                | -                         |
| 2000          | 1.695.268,52        | 13.135.583,77          | 37.283,00                        | 480.302,34                |
| 2001          | 1.789.626,93        | 14.027.712,69          | 35.238,79                        | 554.638,14                |
| 2002          | -                   | 14.054.337,00          | -                                | -                         |
| 2003          | 2.542.821,71        | 15.260.304,83          | 13.565,76                        | 907.797,44                |
| 2004          | 2.624.689,12        | 15.412.738,26          | 13.973,97                        | 843.656,34                |
| 2005          | 2.226.522,55        | 16.900.972,42          | 9.196,11                         | 1.750.112,04              |
| 2006          | 2.359.120,02        | 19.084.437,71          | 9.718,50                         | 1.582.632,24              |
| 2007          | 2.702.130,71        | 21.466.348,18          | 19.751,98                        | 1.582.632,24              |
| 2008          | 2.827.173,13        | 20.999.521,15          | 9.170,43                         | 1.705.134,99              |

Catatan / Note :

- \*) Termasuk PLTG-G (steam gas alam) dan PLTU-G (gas alam) / Included PLTG-G (natural gas), and PLTU-G (steam natural gas)
- \*\*) Termasuk PLTU-M (minyak), PLTG-M (minyak), dan PLTGU-M (minyak) / Included PLTU-M (oil), PLTG-M (oil), dan PLTGU-M (oil)

TABEL 30  
PROSENTASE SUSUT TENAGA LISTRIK PLN  
PLN LOSSES PERCENTAGE

| TAHUN<br>YEAR | TRANSMISI<br>TRANSMISSION | DISTRIBUSI<br>DISTRIBUTION | JUMLAH<br>TOTAL |
|---------------|---------------------------|----------------------------|-----------------|
| 2000          | 2.56                      | 9.08                       | 11.64           |
| 2001          | 2.30                      | 10.75                      | 13.05           |
| 2002          | 2.50                      | 13.47                      | 15.15           |
| 2003          | 2.38                      | 13.91                      | 16.28           |
| 2004          | 2.33                      | 8.96                       | 11.29           |
| 2005          | 2.27                      | 9.28                       | 11.54           |
| 2006          | 2.26                      | 9.18                       | 11.44           |
| 2007          | 2.17                      | 8.29                       | 10.45           |
| 2008          | 2.17                      | 8.29                       | 10.45           |

| PLTG                               | PLTGU                           |                                   |   | P L T D              |    |
|------------------------------------|---------------------------------|-----------------------------------|---|----------------------|----|
| GAS ALAM<br>NATURAL GAS<br>TURBINE | MINYAK OIL<br>COMBINED<br>CYCLE | GAS ALAM GAS<br>COMBINED<br>CYCLE |   | MINYAK OIL<br>DIESEL |    |
| (mmscf)                            | (kilo liter)                    | (mmscf)                           |   | (kilo liter)         |    |
| -                                  | -                               | 228.268,00                        | * | 4.606.076,00         | ** |
| -                                  | -                               | 222.055,00                        | * | 4.135.997,00         | ** |
| -                                  | -                               | 236.612,00                        | * | 4.703.164,00         | ** |
| 885,87                             | 1.066.149,48                    | 190.668,77                        |   | 1.781.910,54         |    |
| 2.792,33                           | 1.244.474,04                    | 184.389,65                        |   | 1.810.349,07         |    |
| -                                  | -                               | 192.927,00                        | * | 6.966.807,00         | ** |
| 6.415,74                           | 2.188.087,71                    | 164.322,96                        |   | 1.974.773,96         |    |
| 12.718,45                          | 3.047.392,90                    | 149.743,72                        |   | 1.990.679,28         |    |
| 15.493,67                          | 3.843.320,20                    | 118.360,27                        |   | 2.067.968,25         |    |
| 20.471,49                          | 3.904.159,16                    | 127.473,51                        |   | 1.847.868,75         |    |
| 19.191,74                          | 3.904.159,16                    | 138.259,81                        |   | 2.292.992,58         |    |
| 19.647,42                          | 4.273.990,53                    | 150.443,06                        |   | 2.514.190,64         |    |

TABEL 31  
PEMAKAIAN BAHAN BAKAR PER JENIS PEMBANGKIT PER WILAYAH 2008  
FUEL CONSUMPTION OF POWER PLANT BY TYPE AND BY REGION 2008

| No<br>Nr. | WILAYAH/ PROPINSI                   | REGION<br>PROVINCE                  | PLTU                |                        |                                  |
|-----------|-------------------------------------|-------------------------------------|---------------------|------------------------|----------------------------------|
|           |                                     |                                     | MINYAK<br>STEAM OIL | BATUBARA<br>STEAM COAL | GAS ALAM<br>STEAM<br>NATURAL GAS |
|           |                                     |                                     | (kilo liter)        | (ton)                  | (mmscf)                          |
| 1         | NANGGROE ACEH DARUSSALAM            | NANGGROE ACEH DARUSSALAM            | -                   | -                      | -                                |
| 2         | SUMATERA UTARA                      | NORTH SUMATERA                      | -                   | -                      | -                                |
| 3         | SUMATERA BARAT                      | WEST SUMATERA                       | -                   | -                      | -                                |
| 4         | RIAU                                | RIAU                                | -                   | -                      | -                                |
| 5         | SUMATERA SELATAN, JAMBI, & BENGKULU | SOUTH SUMATERA, JAMBI, & BENGKULU   | -                   | -                      | -                                |
| 6         | SUMATERA SELATAN                    | SOUTH SUMATERA                      | -                   | -                      | -                                |
| 7         | JAMBI                               | JAMBI                               | -                   | -                      | -                                |
| 8         | BENGKULU                            | BENGKULU                            | -                   | -                      | -                                |
| 9         | BANGKA BELITUNG                     | BANGKA BELITUNG                     | -                   | -                      | -                                |
| 10        | LAMPUNG                             | LAMPUNG                             | -                   | -                      | -                                |
| 11        | KALIMANTAN BARAT                    | WEST KALIMANTAN                     | -                   | -                      | -                                |
| 12        | KALIMANTAN SELATAN, & TENGAH        | SOUTH & CENTRE KALIMANTAN           | 873,32              | 685.825,00             | -                                |
| 13        | KALIMANTAN SELATAN                  | SOUTH KALIMANTAN                    | -                   | -                      | -                                |
| 14        | KALIMANTAN TENGAH                   | CENTRE KALIMANTAN                   | -                   | -                      | -                                |
| 15        | KALIMANTAN TIMUR                    | EAST KALIMANTAN                     | -                   | -                      | -                                |
| 16        | SULAWESI UTARA, TENGAH, & GORONTALO | NORTH, CENTRE SULAWESI, & GORONTALO | -                   | -                      | -                                |
| 17        | SULAWESI UTARA                      | NORTH SULAWESI                      | -                   | -                      | -                                |
| 18        | SULAWESI TENGAH                     | CENTRE SULAWESI                     | -                   | -                      | -                                |
| 19        | GORONTALO                           | GORONTALO                           | -                   | -                      | -                                |
| 20        | SULAWESI SELATAN, & TENGGARA        | SOUTH, & SOUTH EAST SULAWESI        | 7.803,91            | -                      | -                                |
| 21        | SULAWESI SELATAN                    | SOUTH SULAWESI                      | -                   | -                      | -                                |
| 22        | SULAWESI TENGGARA                   | SOUTH EAST SULAWESI                 | -                   | -                      | -                                |
| 23        | MALUKU, & MALUKU UTARA              | MALUKU, & NORTH MALUKU              | -                   | -                      | -                                |
| 24        | MALUKU                              | MALUKU                              | -                   | -                      | -                                |
| 25        | MALUKU UTARA                        | NORTH MALUKU                        | -                   | -                      | -                                |
| 26        | PAPUA                               | PAPUA                               | -                   | -                      | -                                |
| 27        | BALI                                | BALI                                | -                   | -                      | -                                |
| 28        | NUSA TENGGARA BARAT                 | WEST NUSA TENGGARA                  | -                   | -                      | -                                |
| 29        | NUSA TENGGARA TIMUR                 | EAST NUSA TENGGARA                  | -                   | -                      | -                                |
| 30        | PT PLN BATAM                        | PT PLN BATAM                        | -                   | -                      | -                                |
| 31        | PT PLN TARAKAN                      | PT PLN TARAKAN                      | -                   | -                      | -                                |
| 32        | Kit SUMBAGUT                        | SUMBAGUT                            | 386.829,76          | 29.263                 | 6,75                             |
| 33        | Kit SUMBAGSEL                       | SUMBAGSEL                           | 8.439,26            | 1.954.299,26           | 2.260,80                         |
|           | LUAR JAWA                           | OUT SIDE JAVA                       | 403.946,25          | 2.669.387,26           | 2.267,55                         |
| 34        | JAWA TIMUR                          | EAST JAVA                           | -                   | -                      | -                                |
| 35        | JAWA TENGAH & YOGYAKARTA            | CENTRAL JAVA & YOGYAKARTA           | -                   | -                      | -                                |
| 36        | JAWA BARAT, & BANTEN                | WEST JAVA, & BANTEN                 | -                   | -                      | -                                |
| 37        | JAWA BARAT                          | WEST JAVA                           | -                   | -                      | -                                |
| 38        | BANTEN                              | BANTEN                              | -                   | -                      | -                                |
| 39        | DKI JAYA & TANGERANG                | DKI JAYA & TANGERANG                | -                   | -                      | -                                |
| 40        | PT INDONESIA POWER                  | PT. INDONESIA POWER                 | 714.897,20          | 11.623.646,71          | -                                |
| 41        | PT PJB                              | PT. PJB                             | 1.706.388,31        | 2.986.257,55           | 6.902,88                         |
| 42        | PEMBANGKITAN MUARA TAWAR            |                                     | -                   | -                      | -                                |
| 43        | PEMBANGKITAN CILEGON                |                                     | -                   | -                      | -                                |
| 44        | PEMBANGKITAN TANJUNG JATI B         |                                     | 1.941,36            | 3.720.229,63           | -                                |
|           | JAWA                                | JAVA                                | 2.423.226,87        | 18.330.133,89          | 6.902,88                         |
|           | INDONESIA                           | INDONESIA                           | 2.827.173,13        | 20.999.521,15          | 9.170,43                         |

| PLTG                             |                                        | PLTGU                               |                                       | PLTD                        | PLTD                           |
|----------------------------------|----------------------------------------|-------------------------------------|---------------------------------------|-----------------------------|--------------------------------|
| MINYAK<br><i>Oil GAS TURBINE</i> | GAS ALAM<br><i>NATURAL GAS TURBINE</i> | MINYAK OIL<br><i>COMBINED CYCLE</i> | GAS ALAM GAS<br><i>COMBINED CYCLE</i> | MINYAK<br><i>OIL DIESEL</i> | GAS ALAM<br><i>NATURAL GAS</i> |
| (kilo liter)                     | (mmscf)                                | (kilo liter)                        | (mmscf)                               | (kilo liter)                | (mmscf)                        |
| -                                | -                                      | -                                   | -                                     | 70.343,58                   |                                |
| -                                | -                                      | -                                   | -                                     | 377,79                      |                                |
| -                                | -                                      | -                                   | -                                     | 21.186,30                   |                                |
| -                                | -                                      | -                                   | -                                     | 190.110,76                  |                                |
| -                                | -                                      | -                                   | -                                     | 22.633,88                   |                                |
| -                                | -                                      | -                                   | -                                     | -                           |                                |
| -                                | -                                      | -                                   | -                                     | -                           |                                |
| -                                | -                                      | -                                   | -                                     | -                           |                                |
| -                                | -                                      | -                                   | -                                     | 106.864,75                  |                                |
| -                                | -                                      | -                                   | -                                     | 2.917,79                    |                                |
| 45.114,75                        | -                                      | -                                   | -                                     | 293.038,63                  |                                |
| 17.744,84                        | -                                      | -                                   | -                                     | 203.868,13                  |                                |
| -                                | -                                      | -                                   | -                                     | -                           |                                |
| -                                | -                                      | -                                   | -                                     | -                           |                                |
| -                                | -                                      | 29.475,99                           | 2.727,40                              | 323.168,15                  | 791,08                         |
| -                                | -                                      | -                                   | -                                     | 183.913,20                  |                                |
| -                                | -                                      | -                                   | -                                     | -                           |                                |
| -                                | -                                      | -                                   | -                                     | -                           |                                |
| -                                | -                                      | -                                   | -                                     | -                           |                                |
| 47.067,64                        | -                                      | -                                   | -                                     | 159.442,45                  |                                |
| -                                | -                                      | -                                   | -                                     | -                           |                                |
| -                                | -                                      | -                                   | -                                     | -                           |                                |
| -                                | -                                      | -                                   | -                                     | 130.188,80                  |                                |
| -                                | -                                      | -                                   | -                                     | -                           |                                |
| -                                | -                                      | -                                   | -                                     | -                           |                                |
| -                                | -                                      | -                                   | -                                     | 174.677,27                  |                                |
| -                                | -                                      | -                                   | -                                     | 2.402,53                    |                                |
| -                                | -                                      | -                                   | -                                     | 191.754,17                  |                                |
| -                                | -                                      | -                                   | -                                     | 103.352,76                  |                                |
| -                                | 5.225,22                               | -                                   | -                                     | 31.729,30                   |                                |
| -                                | -                                      | -                                   | -                                     | 4.294,71                    | 1.609,45                       |
| 132.007,28                       | 4.400,23                               | 1.032.066,47                        | 7.153,74                              | 195.386,52                  |                                |
| 92.269,90                        | 8.864,11                               | -                                   | -                                     | 45.987,81                   |                                |
| 334.204,41                       | 18.489,56                              | 1.061.542,46                        | 9.881,14                              | 2.457.639,27                | 2.400,52                       |
| -                                | -                                      | -                                   | -                                     | 5.426,35                    |                                |
| -                                | -                                      | -                                   | -                                     | -                           |                                |
| -                                | -                                      | -                                   | -                                     | 129,75                      |                                |
| -                                | -                                      | -                                   | -                                     | -                           |                                |
| -                                | -                                      | -                                   | -                                     | -                           |                                |
| -                                | -                                      | -                                   | -                                     | -                           |                                |
| 713.717,82                       | 891,01                                 | 1.946.637,31                        | 30.065,93                             | 50.995,27                   |                                |
| 12.824,11                        | -                                      | 1.265.717,91                        | 82.807,57                             | -                           |                                |
| 644.388,65                       | 266,84                                 |                                     |                                       | -                           |                                |
|                                  | 92,86                                  | 27.688,42                           | -                                     |                             | -                              |
| -                                | -                                      | -                                   | -                                     | -                           |                                |
| 1.370.930,57                     | 1.157,85                               | 3.212.448,07                        | 140.561,91                            | 56.551,37                   | 0,00                           |
| 1.705.134,99                     | 19.647,42                              | 4.273.990,53                        | 150.443,06                            | 2.514.190,64                | 2.400,52                       |

TABEL 32  
PEMAKAIAN BAHAN BAKAR SPESIFIK 2008  
SPECIFIC CONSUMPTION 2008

| No<br>Nr. | WILAYAH<br>PROPINSI                 | REGION<br>PROVINCE                  | PLTU                |                        |                                    |
|-----------|-------------------------------------|-------------------------------------|---------------------|------------------------|------------------------------------|
|           |                                     |                                     | MINYAK<br>STEAM OIL | BATUBARA<br>STEAM COAL | GAS ALAM<br>STEAM NATU-<br>RAL GAS |
|           |                                     |                                     | (liter/Kwh)         | (Kg/Kwh)               | (mscf/Kwh)                         |
| 1         | NANGGROE ACEH DARUSSALAM            | NANGGROE ACEH DARUSSALAM            | -                   | -                      | -                                  |
| 2         | SUMATERA UTARA                      | NORTH SUMATERA                      | -                   | -                      | -                                  |
| 3         | SUMATERA BARAT                      | WEST SUMATERA                       | -                   | -                      | -                                  |
| 4         | R I A U                             | RIAU                                | -                   | -                      | -                                  |
| 5         | SUMATERA SELATAN, JAMBI, & BENGKULU | SOUTH SUMATERA, JAMBI, & BENGKULU   | -                   | -                      | -                                  |
| 6         | SUMATERA SELATAN                    | SOUTH SUMATERA                      | -                   | -                      | -                                  |
| 7         | JAMBI                               | JAMBI                               | -                   | -                      | -                                  |
| 8         | BENGKULU                            | BENGKULU                            | -                   | -                      | -                                  |
| 9         | BANGKA BELITUNG                     | BANGKA BELITUNG                     | -                   | -                      | -                                  |
| 10        | LAMPUNG                             | LAMPUNG                             | -                   | -                      | -                                  |
| 11        | KALIMANTAN BARAT                    | WEST KALIMANTAN                     | -                   | -                      | -                                  |
| 12        | KALIMANTAN SELATAN, & TENGAH        | SOUTH & CENTRE KALIMANTAN           | -                   | 0.753                  | -                                  |
| 13        | KALIMANTAN SELATAN                  | SOUTH KALIMANTAN                    | -                   | -                      | -                                  |
| 14        | KALIMANTAN TENGAH                   | CENTRE KALIMANTAN                   | -                   | -                      | -                                  |
| 15        | KALIMANTAN TIMUR                    | EAST KALIMANTAN                     | -                   | -                      | -                                  |
| 16        | SULAWESI UTARA, TENGAH, & GORONTALO | NORTH, CENTRE SULAWESI, & GORONTALO | -                   | -                      | -                                  |
| 17        | SULAWESI UTARA                      | NORTH SULAWESI                      | -                   | -                      | -                                  |
| 18        | SULAWESI TENGAH                     | CENTRE SULAWESI                     | -                   | -                      | -                                  |
| 19        | GORONTALO                           | GORONTALO                           | -                   | -                      | -                                  |
| 20        | SULAWESI SELATAN, TENGGARA & BARAT  | SOUTH, & SOUTH EAST SULAWESI        | 0.465               | -                      | -                                  |
| 21        | SULAWESI SELATAN                    | SOUTH SULAWESI                      | -                   | -                      | -                                  |
| 22        | SULAWESI TENGGARA                   | SOUTH EAST SULAWESI                 | -                   | -                      | -                                  |
| 23        | SULAWESI BARAT                      | WEST SULAWESI                       | -                   | -                      | -                                  |
| 24        | MALUKU, & MALUKU UTARA              | MALUKU, & NORTH MALUKU              | -                   | -                      | -                                  |
| 25        | MALUKU                              | MALUKU                              | -                   | -                      | -                                  |
| 26        | MALUKU UTARA                        | NORTH MALUKU                        | -                   | -                      | -                                  |
| 27        | PAPUA                               | PAPUA                               | -                   | -                      | -                                  |
| 28        | BALI                                | BALI                                | -                   | -                      | -                                  |
| 29        | NUSA TENGGARA BARAT                 | WEST NUSA TENGGARA                  | -                   | -                      | -                                  |
| 30        | NUSA TENGGARA TIMUR                 | EAST NUSA TENGGARA                  | -                   | -                      | -                                  |
| 31        | PT PLN BATAM                        | PT PLN BATAM                        | -                   | -                      | -                                  |
| 32        | PT PLN TARA KAN                     | PT PLN TARA KAN                     | -                   | -                      | -                                  |
| 33        | Kit. SUMBAGUT                       | SUMBAGUT                            | 0.296               | 0.6980                 | 0.034                              |
| 34        | Kit. SUMBAGSEL                      | SUMBAGSEL                           | -                   | 0.522                  | 0.018                              |
|           | LUAR JAWA                           | OUT SIDE JAVA                       | 0.298               | 0.568                  | 0.018                              |
| 35        | JAWA TIMUR                          | EAST JAVA                           | -                   | -                      | -                                  |
| 36        | JAWA TENGAH & YOGYAKARTA            | CENTRAL JAVA & YOGYAKARTA           | -                   | -                      | -                                  |
| 37        | JAWA BARAT, & BANTEN                | WEST JAVA, & BANTEN                 | -                   | -                      | -                                  |
| 38        | JAWA BARAT                          | WEST JAVA                           | -                   | -                      | -                                  |
| 39        | BANTEN                              | BANTEN                              | -                   | -                      | -                                  |
| 40        | DKI JAYA & TANGERANG                | DKI JAYA & TANGERANG                | -                   | -                      | -                                  |
| 41        | PT INDONESIA POWER                  | PT. INDONESIA POWER                 | 0.289               | 0.537                  | -                                  |
| 42        | PT PJB                              | PT. PJB                             | 0.260               | 0.521                  | 0.009                              |
| 43        | PEMBANGKITAN MUARA TAWAR            | PEMBANGKITAN MUARA TAWAR            | -                   | -                      | -                                  |
| 44        | PEMBANGKITAN TANJUNG JATI B         | PEMBANGKITAN TANJUNG JATI B         | -                   | 0.403                  | -                                  |
| 45        | PEMBANGKITAN CILEGON                | PEMBANGKITAN CILEGON                | -                   | -                      | -                                  |
|           | J A W A                             | JAVA                                | 0.268               | 0.534                  | 0.009                              |
|           | INDONESIA                           | INDONESIA                           | 0.272               | 0.508                  | 0.011                              |

| PLTG                      |                                    | PLTGU                           |                                   | PLTD                 |
|---------------------------|------------------------------------|---------------------------------|-----------------------------------|----------------------|
| MINYAK<br>Oil GAS TURBINE | GAS ALAM<br>NATURAL GAS<br>TURBINE | MINYAK<br>OIL<br>COMBINED CYCLE | GAS ALAM<br>Gas<br>COMBINED CYCLE | MINYAK<br>Oil DIESEL |
| (liter/Kwh)               | (mscf/Kwh)                         | (liter/Kwh)                     | (mscf/Kwh)                        | (liter/Kwh)          |
| -                         | -                                  | -                               | -                                 | 0.278                |
| -                         | -                                  | -                               | -                                 | 0.386                |
| -                         | -                                  | -                               | -                                 | 0.282                |
| -                         | -                                  | -                               | -                                 | 0.281                |
| -                         | -                                  | -                               | -                                 | 0.297                |
| -                         | -                                  | -                               | -                                 | -                    |
| -                         | -                                  | -                               | -                                 | -                    |
| -                         | -                                  | -                               | -                                 | -                    |
| -                         | -                                  | -                               | -                                 | 0.259                |
| -                         | -                                  | -                               | -                                 | 0.370                |
| 0.410                     | -                                  | -                               | -                                 | 0.285                |
| 0.459                     | -                                  | -                               | -                                 | 0.279                |
| -                         | -                                  | -                               | -                                 | -                    |
| -                         | -                                  | -                               | -                                 | -                    |
| -                         | -                                  | 0.248                           | 0.010                             | 0.281                |
| -                         | -                                  | -                               | -                                 | 0.276                |
| -                         | -                                  | -                               | -                                 | -                    |
| -                         | -                                  | -                               | -                                 | -                    |
| -                         | -                                  | -                               | -                                 | -                    |
| 0.393                     | -                                  | -                               | -                                 | 0.287                |
| -                         | -                                  | -                               | -                                 | -                    |
| -                         | -                                  | -                               | -                                 | -                    |
| -                         | -                                  | -                               | -                                 | -                    |
| -                         | -                                  | -                               | -                                 | 0.285                |
| -                         | -                                  | -                               | -                                 | -                    |
| -                         | -                                  | -                               | -                                 | -                    |
| -                         | -                                  | -                               | -                                 | 0.270                |
| -                         | -                                  | -                               | -                                 | 0.288                |
| -                         | -                                  | -                               | -                                 | 0.278                |
| -                         | -                                  | -                               | -                                 | 0.282                |
| -                         | -                                  | -                               | -                                 | 0.260                |
| -                         | -                                  | -                               | -                                 | 0.224                |
| 0.431                     | 0.0190                             | 0.245                           | 0.010                             | 0.286                |
| 0.455                     | 0.014                              | -                               | -                                 | 0.282                |
| 0.430                     | 0.015                              | 0.245                           | 0.010                             | 0.280                |
| -                         | -                                  | -                               | -                                 | 0.295                |
| -                         | -                                  | -                               | -                                 | -                    |
|                           |                                    |                                 |                                   | 0.375                |
| -                         | -                                  | -                               | -                                 | -                    |
| -                         | -                                  | -                               | -                                 | -                    |
| -                         | -                                  | -                               | -                                 | -                    |
| 0.374                     | 0.013                              | 0.241                           | 0.008                             | 0.278                |
| 0.493                     | -                                  | 0.249                           | 0.008                             | -                    |
| 0.335                     | -                                  | -                               | -                                 | -                    |
| -                         | -                                  | -                               | -                                 | -                    |
| -                         | 0.007                              | -                               | -                                 | -                    |
| 0.375                     | 0.013                              | 0.244                           | 0.008                             | 0.274                |
| 0.368                     | 0.015                              | 0.244                           | 0.008                             | 0.279                |

TABEL 33  
LISTRIK PERDESAAN PLN DAN NON PLN PER PROPINSI 2008  
RURAL ELECTRIFICATION BY PROVINCE 2008

| NO No. | PROPINSI                  | PROVINCE                  | JUMLAH RUMAH TANGGA 2008<br>NUMBER OF HOUSEHOLD 2008 | JUMLAH DESA 2008<br>NUMBER OF VILLAGE |
|--------|---------------------------|---------------------------|------------------------------------------------------|---------------------------------------|
| 1      | NANGGROE ACEH DARUS-SALAM | NANGGROE ACEH DARUS-SALAM | 1.002.170                                            | 6.378                                 |
| 2      | SUMATERA UTARA *)         | NORTH SUMATERA            | 3.141.957                                            | 5.612                                 |
| 3      | SUMATERA BARAT            | WEST SUMATERA             | 1.096.596                                            | 901                                   |
| 4      | RIAU & KEPRI              | RIAU                      | 1.634.270                                            | 1.727                                 |
| 5      | SUMATERA SELATAN          | SOUTH SUMATERA            | 1.717.665                                            | 2.780                                 |
| 6      | JAMBI                     | JAMBI                     | 679.079                                              | 1.231                                 |
| 7      | BENGKULU                  | BENGKULU                  | 414.440                                              | 1.233                                 |
| 8      | BANGKA BELITUNG           | BANGKA BELITUNG           | 246.468                                              | 321                                   |
| 9      | LAMPUNG **)               | LAMPUNG                   | 1.849.566                                            | 2.193                                 |
| 10     | KALIMANTAN BARAT          | WEST KALIMANTAN           | 1.119.076                                            | 1.531                                 |
| 11     | KALIMANTAN SELATAN        | SOUTH KALIMANTAN          | 823.438                                              | 1.957                                 |
| 12     | KALIMANTAN TENGAH         | CENTRE KALIMANTAN         | 555.722                                              | 1.395                                 |
| 13     | KALIMANTAN TIMUR          | EAST KALIMANTAN           | 729.012                                              | 1.352                                 |
| 14     | SULAWESI UTARA            | NORTH SULAWESI            | 540.874                                              | 1.280                                 |
| 15     | GORONTALO                 | GORONTALO                 | 218.275                                              | 476                                   |
| 16     | SULAWESI TENGAH           | CENTRE SULAWESI           | 615.036                                              | 1.530                                 |
| 17     | SULAWESI TENGGARA         | SOUTH EAST SULAWESI       | 540.628                                              | 1.705                                 |
| 18     | SULAWESI SELATAN          | SOUTH SULAWESI            | 2.141.830                                            | 2.866                                 |
| 19     | SULAWESI BARAT            | WEST SULAWESI             | -                                                    | 491                                   |
| 20     | MALUKU                    | MALUKU                    | 320.925                                              | 866                                   |
| 21     | MALUKU UTARA              | NORTH MALUKU              | 227.065                                              | 793                                   |
| 22     | PAPUA dan IJB             | PAPUA                     | 649.901                                              | 3.608                                 |
| 23     | BALI                      | BALI                      | 853.600                                              | 701                                   |
| 24     | NUSA TENGGARA BARAT       | WEST NUSA TENGGARA        | 1.106.223                                            | 820                                   |
| 25     | NUSA TENGGARA TIMUR       | EAST NUSA TENGGARA        | 1.044.939                                            | 2.742                                 |
|        | LUAR JAWA                 | OUT SIDE JAVA             | 23.268.755                                           | 46.489                                |
| 26     | DKI JAKARTA               | DKI JAKARTA               | 2.170.195                                            | 267                                   |
| 27     | BANTEN ***)               | BANTEN                    | 2.421.858                                            | 1.483                                 |
| 28     | JAWA BARAT ***)           | WEST JAVA                 | 9.958.546                                            | 5.808                                 |
| 29     | JAWA TENGAH               | CENTRAL JAVA              | 7.908.483                                            | 8.566                                 |
| 30     | DI Yogyakarta             | DI.YOGYAKARTA             | 823.192                                              | 438                                   |
| 31     | JAWA TIMUR                | EAST JAVA                 | 8.825.362                                            | 8.484                                 |
|        | J A W A                   | J A V A                   | 32.107.636                                           | 25.046                                |
|        | INDONESIA                 | INDONESIA                 | 55.376.392                                           | 71.535                                |

Catatan :

\*) Jumlah Desa Propinsi Sumatera Utara tahun 2004 adalah 4.838. Penurunan jumlah desa dan pelanggan karena adanya peningkatan desa menjadi kecamatan dan pemisahan administrasi dengan terbentuknya PT. PLN Tarakan

\*\*) Jumlah Desa Propinsi Lampung tahun 2004 adalah 1.994

\*\*\*)) Berdasarkan data dari APJ dan Laporan data statistik PLN Disjabar & Banten (wil. Kerja meliputi : Kab. Serang, Pandeglang, Lebak, dan kota Cilegon)

\*\*\*\*)) Untuk pekerjaan jaringan tahun 2005 (pengembangan) 326 desa masuk Kab. Tangerang tidak masuk Wil. APJ Banten

| JUMLAH DESA TERLISTRIKI<br>S/D DESEMBER 2008<br>UP TO DECEMBER 2008 |        |                       |
|---------------------------------------------------------------------|--------|-----------------------|
| DESA<br>VILLAGE                                                     | %      | PELANGGAN<br>CUSTOMER |
| 5.560                                                               | 87,17  | 771.546               |
| 4.718                                                               | 84,07  | 2.189.390             |
| 907                                                                 | 100,67 | 760.736               |
| 1.686                                                               | 97,63  | 913.093               |
| 2.680                                                               | 96,40  | 863.934               |
| 1.224                                                               | 99,43  | 349.145               |
| 1.137                                                               | 92,21  | 213.258               |
| 320                                                                 | 99,69  | 179.632               |
| 2.204                                                               | 100,50 | 903.027               |
| 1.479                                                               | 96,60  | 512.928               |
| 1.953                                                               | 99,80  | 595.231               |
| 1.226                                                               | 87,89  | 251.276               |
| 1.250                                                               | 92,46  | 499.805               |
| 1.287                                                               | 100,55 | 361.684               |
| 467                                                                 | 98,11  | 108.675               |
| 1.515                                                               | 99,02  | 297.093               |
| 1.636                                                               | 95,95  | 211.162               |
| 3.172                                                               | 110,68 | 1.184.112             |
| 31                                                                  | 6,31   | 82.719                |
| 728                                                                 | 84,06  | 174.949               |
| 738                                                                 | 93,06  | 112.260               |
| 1.106                                                               | 30,65  | 210.240               |
| 701                                                                 | 100,00 | 640.045               |
| 841                                                                 | 102,56 | 359.626               |
| 2.471                                                               | 90,12  | 256.519               |
| 41.037                                                              | 88,27  | 13.002.085            |
| 267                                                                 | 100,00 | 2.175.461             |
| 1.473                                                               | 99,33  | 1.547.485             |
| 5.797                                                               | 99,81  | 6.712.062             |
| 8.568                                                               | 100,02 | 5.633.952             |
| 438                                                                 | 100,00 | 695.469               |
| 8.459                                                               | 99,71  | 6.314.602             |
| 25.002                                                              | 99,82  | 23.079.031            |
| 66.039                                                              | 92,32  | 36.081.116            |



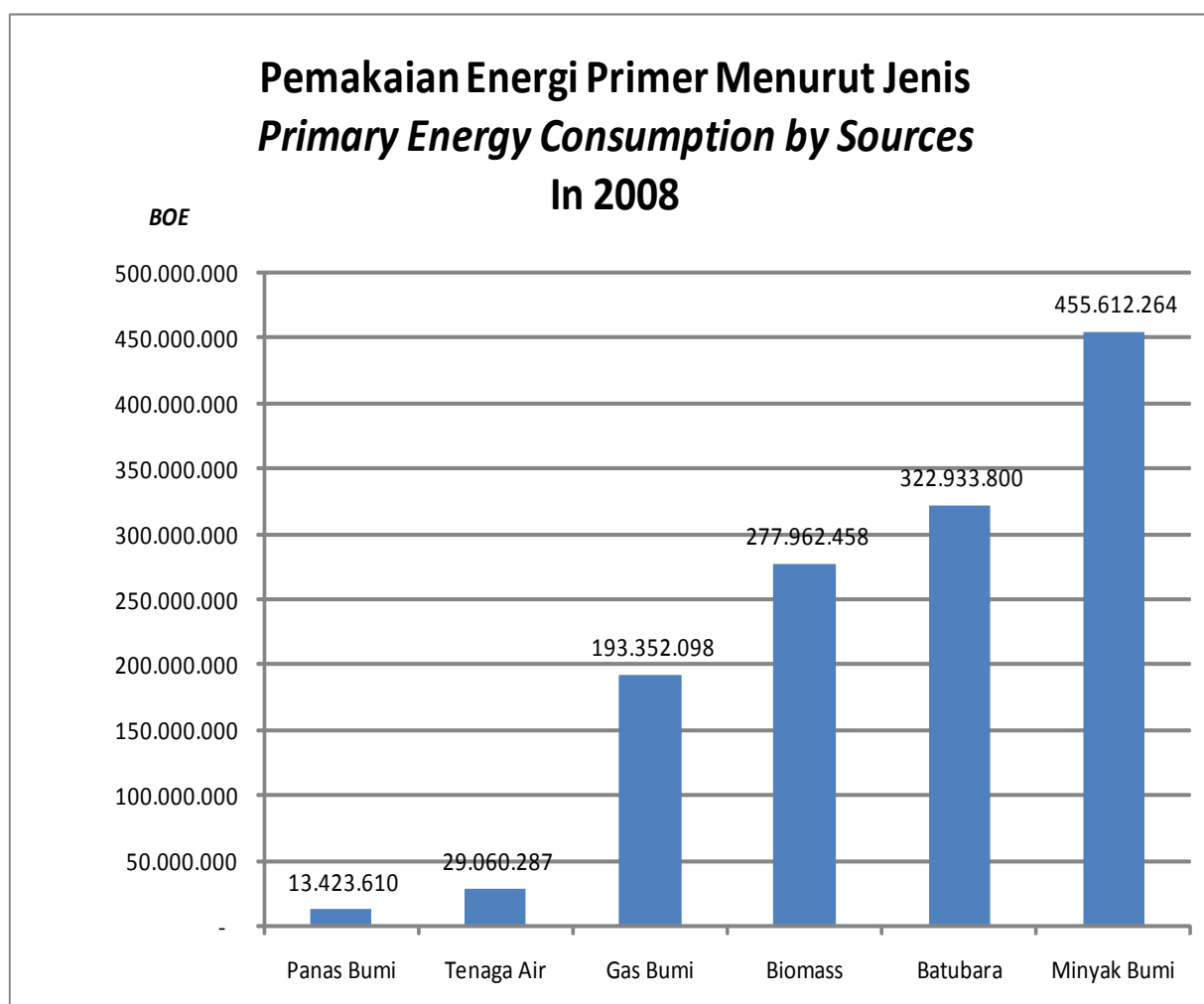
TABEL 34  
LISTRIK PERDESAAN PLN  
PLN's RURAL ELECTRICITY

| TAHUN<br>YEAR | JUMLAH<br>DESA<br>NUMBER OF<br>VILLAGES | JUMLAH<br>PELANGGAN<br>DESA<br>NUMBER OF<br>VILLAGESCOS-<br>TUMER | DESA TERLISTRIKI<br>VILLAGES ELECTRIFIED |       |
|---------------|-----------------------------------------|-------------------------------------------------------------------|------------------------------------------|-------|
|               |                                         |                                                                   | JUMLAH<br>TOTAL                          | %     |
| REPELITA V    |                                         |                                                                   |                                          |       |
| 1989/1990     | 61.975                                  | 5.419.695                                                         | 20.612                                   | 33,26 |
| 1990/1991     | 61.975                                  | 6.361.644                                                         | 23.316                                   | 37,62 |
| 1991/1992     | 61.975                                  | 6.844.035                                                         | 25.112                                   | 40,52 |
| 1992/1993     | 61.975                                  | 7.562.512                                                         | 27.090                                   | 43,71 |
| 1993/1994     | 61.975                                  | 8.916.716                                                         | 31.991                                   | 51,62 |
| 2003          | 61.424                                  | 22.387.567                                                        | 50.076                                   | 81,53 |
| 2004          | 65.673                                  | 24.108.895                                                        | 52.956                                   | 80,90 |
| 2005          | 65.961                                  | 25.008.147                                                        | 52.462                                   | 79,53 |
| 2006          | 68.131                                  | 27.223.761                                                        | 54.136                                   | 79,46 |
| 2007          | 70.986                                  | 28.559.776                                                        | 57.589                                   | 81,13 |
| 2008          | 70.986                                  | 28.559.776                                                        | 57.589                                   | 81,13 |

# ENERGI

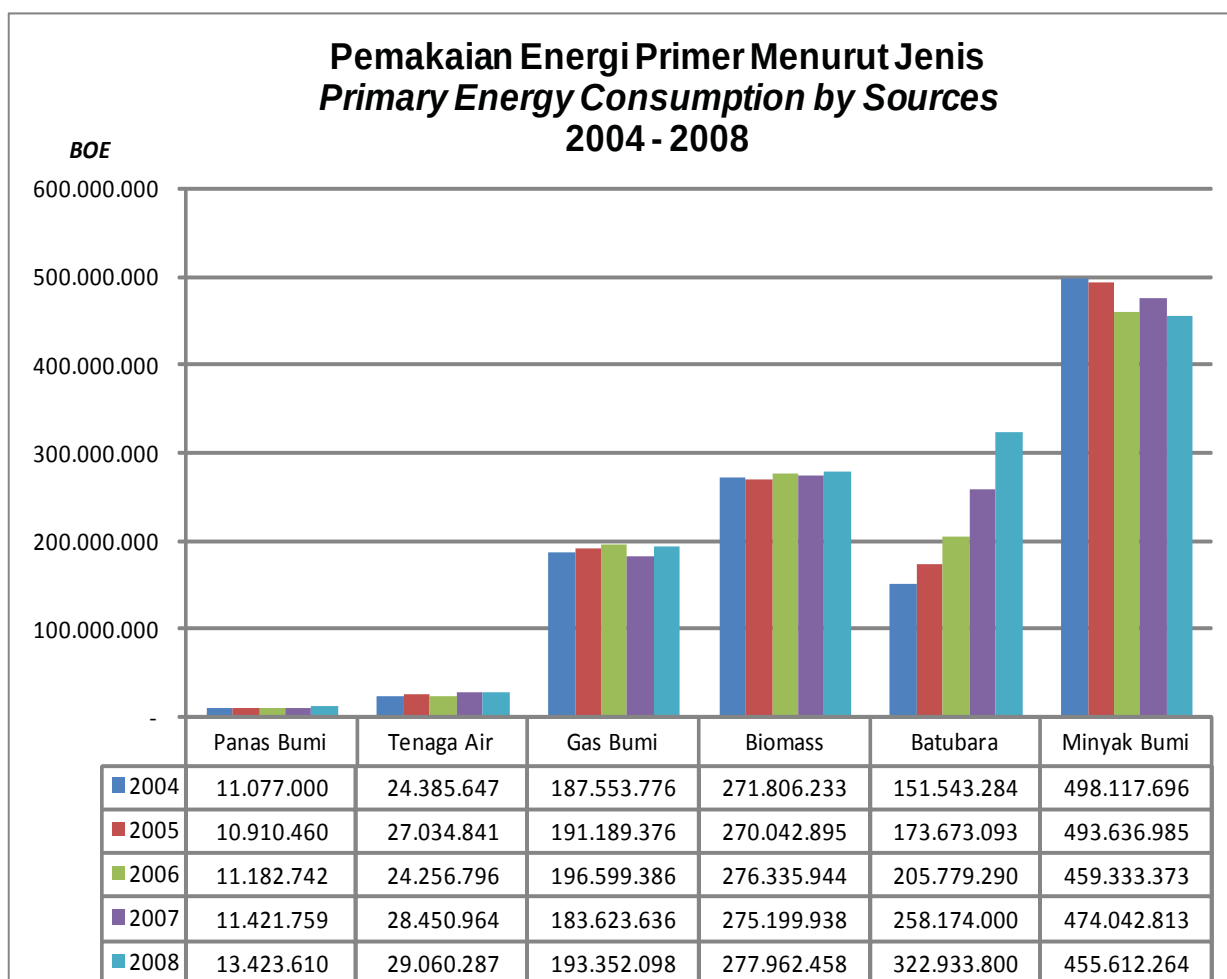
TABEL 35  
KONSUMSI ENERGI PERKAPITA  
PER CAPITA OF ENERGY CONSUMPTION  
(SBM/BOE)

| TAHUN<br>YEAR | JUMLAH PENDUDUK<br>NUMBER OF POPULATION | KONSUMSI ENERGI<br>ENERGY CONSUMPTION | KONSUMSI ENERGI PER KAPITA<br>ENERGY CONSUMPTION PER KAPITA |
|---------------|-----------------------------------------|---------------------------------------|-------------------------------------------------------------|
| 2000          | 207.625.648                             | 995.741.709                           | 4,8                                                         |
| 2001          | 208.900.600                             | 1.041.252.219                         | 5,0                                                         |
| 2002          | 212.003.500                             | 1.070.035.892                         | 5,0                                                         |
| 2003          | 215.152.383                             | 1.131.058.046                         | 5,3                                                         |
| 2004          | 217.854.100                             | 1.144.483.636                         | 5,3                                                         |
| 2005          | 220.553.066                             | 1.166.487.650                         | 5,3                                                         |
| 2006          | 223.013.776                             | 1.173.487.531                         | 5,3                                                         |
| 2007          | 223.013.776                             | 1.230.913.110                         | 5,5                                                         |
| 2008          | 228.523.300                             | 1.292.344.517                         | 5,7                                                         |



TABEL 36  
PEMAKAIAN ENERGI MENURUT JENIS  
PRIMARY ENERGY CONSUMPTION BY SOURCES  
(SBM/BOE)

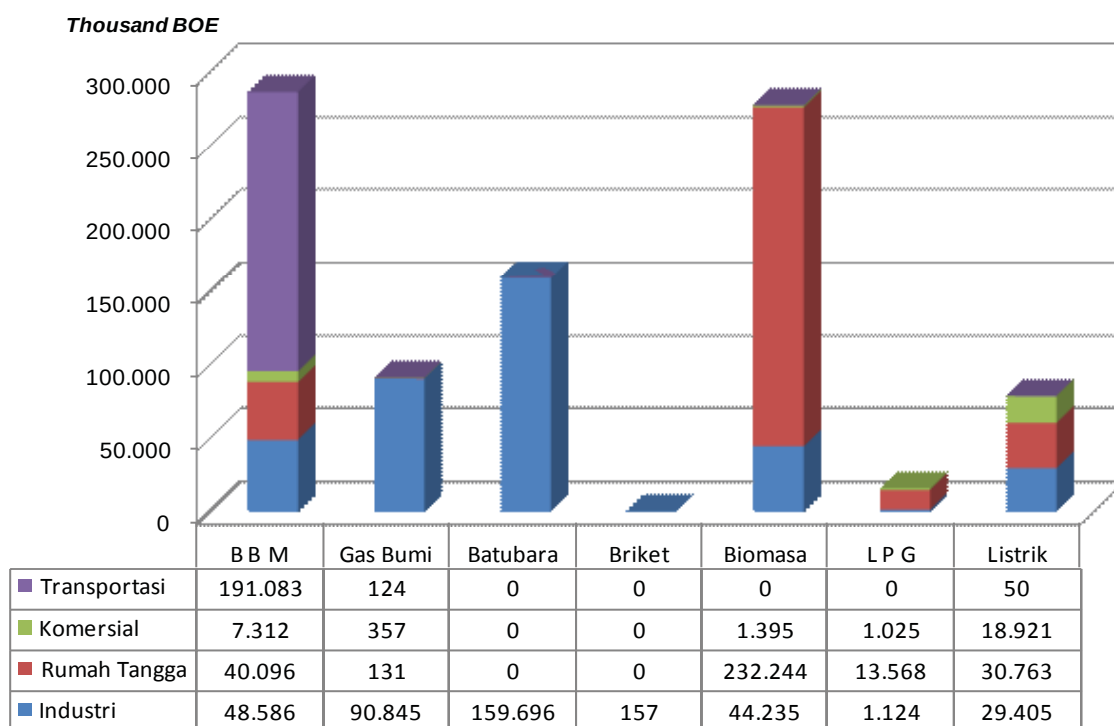
| TAHUN<br>YEAR | GAS BUMI<br>NATURAL<br>GAS | BATUBARA<br>COAL | TENAGA<br>AIR<br>HYDRO | PANAS<br>BUMI<br>GEOTHERMAL | BIOMASA<br>BIOMASS | JUMLAH<br>TOTAL |
|---------------|----------------------------|------------------|------------------------|-----------------------------|--------------------|-----------------|
| 2000          | 164.649.922                | 93.831.548       | 25.248.631             | 9.596.400                   | 269.054.110        | 995.741.710     |
| 2001          | 172.083.907                | 119.125.379      | 29.380.607             | 9.960.940                   | 268.970.034        | 1.041.252.219   |
| 2002          | 188.822.314                | 122.879.411      | 25.038.179             | 10.248.040                  | 270.230.078        | 1.070.035.892   |
| 2003          | 204.142.054                | 164.950.173      | 22.937.538             | 10.375.200                  | 272.005.374        | 1.131.058.046   |
| 2004          | 187.553.776                | 151.543.284      | 24.385.647             | 11.077.000                  | 271.806.233        | 1.144.483.636   |
| 2005          | 191.189.376                | 173.673.093      | 27.034.841             | 10.910.460                  | 270.042.895        | 1.166.487.650   |
| 2006          | 196.599.386                | 205.779.290      | 24.256.796             | 11.182.742                  | 276.335.944        | 1.173.487.531   |
| 2007          | 183.623.636                | 258.174.000      | 28.450.964             | 11.421.759                  | 275.199.938        | 1.230.913.110   |
| 2008          | 193.352.098                | 322.933.800      | 29.060.287             | 13.423.610                  | 277.962.458        | 1.292.344.517   |



**TABEL 37**  
**KONSUMSI ENERGI FINAL MENURUT SUMBER DAN SEKTOR PEMAKAI 2008**  
*FINAL ENERGY CONSUMPTION BY SOURCE AND BY SECTOR 2008*  
 (RIBU SBM/THOUSAND B O E)

| SUMBER<br>SOURCE        | SEKTOR PEMAKAIAN<br>CONSUMPTION BY SECTORS |         |                           |        |                         |        |                                |        | JUMLAH<br>TOTAL      |
|-------------------------|--------------------------------------------|---------|---------------------------|--------|-------------------------|--------|--------------------------------|--------|----------------------|
|                         | INDUSTRI<br>INDUSTRIAL                     |         | RUMAH TANGGA<br>HOUSEHOLD |        | KOMERSIAL<br>COMMERCIAL |        | TRANSPORTASI<br>TRANSPORTATION |        |                      |
| B B M<br>OIL            | 48.586,00<br>12,99%                        | 16,92%  | 40.096,03<br>12,66%       | 13,97% | 7.312<br>25%            | 2,55%  | 191.083,00<br>99,91%           | 66,56% | 287.077,03<br>31,51% |
| GAS BUMI<br>NATURAL GAS | 90.844,75<br>24,29%                        | 99,33%  | 130,92<br>0,04%           | 0,14%  | 357<br>1,23%            | 0,39%  | 124,00<br>0,06%                | 0,14%  | 91.456,67<br>10,04%  |
| BATU BARA<br>COAL       | 159.696,00<br>42,69%                       | 100,00% | 0<br>0,00%                | 0,00%  | 0<br>0,00%              | 0,00%  | 0<br>0,00%                     | 0,00%  | 59.696,00<br>17,53%  |
| BRIKET<br>BRIQUETTE     | 157,00<br>0,00%                            | 100,00% | 0<br>0,00%                | 0,00%  | 0<br>0,00%              | 0,00%  | 0<br>0,00%                     | 0,00%  | 157,00<br>0,02%      |
| BIOMASA<br>BIOMASS      | 44.235,00<br>11,83%                        | 15,92%  | 232.244<br>73,31%         | 83,58% | 1.395<br>4,81%          | 0,50%  | 0<br>0,00%                     | 0,00%  | 277.874,00<br>30,50% |
| L P G<br>L P G          | 1.124,00<br>0,30%                          | 7,15%   | 13.568,00<br>4,28%        | 86,33% | 1.025<br>3,53%          | 6,52%  | 0<br>0,00%                     | 0,00%  | 15.717,00<br>1,73%   |
| LISTRIK<br>ELECTRICITY  | 29.405,00<br>7,86%                         | 37,16%  | 30.763,00<br>9,71%        | 38,87% | 18.921<br>65,22%        | 23,91% | 50,00<br>0,03%                 | 0,00%  | 79.139,00<br>8,69%   |
| JUMLAH<br>TOTAL         | 374.047,75<br>100%                         | 41,05%  | 316.801,95<br>100%        | 34,77% | 29.010<br>100%          | 3,18%  | 191.257,00<br>100%             | 20,99% | 911.116,70<br>100%   |

**KONSUMSI ENERGI FINAL MENURUT SUMBER DAN SEKTOR PEMAKAI**  
**FINAL ENERGY CONSUMPTION BY SOURCE AND BY SECTOR**  
**2008**

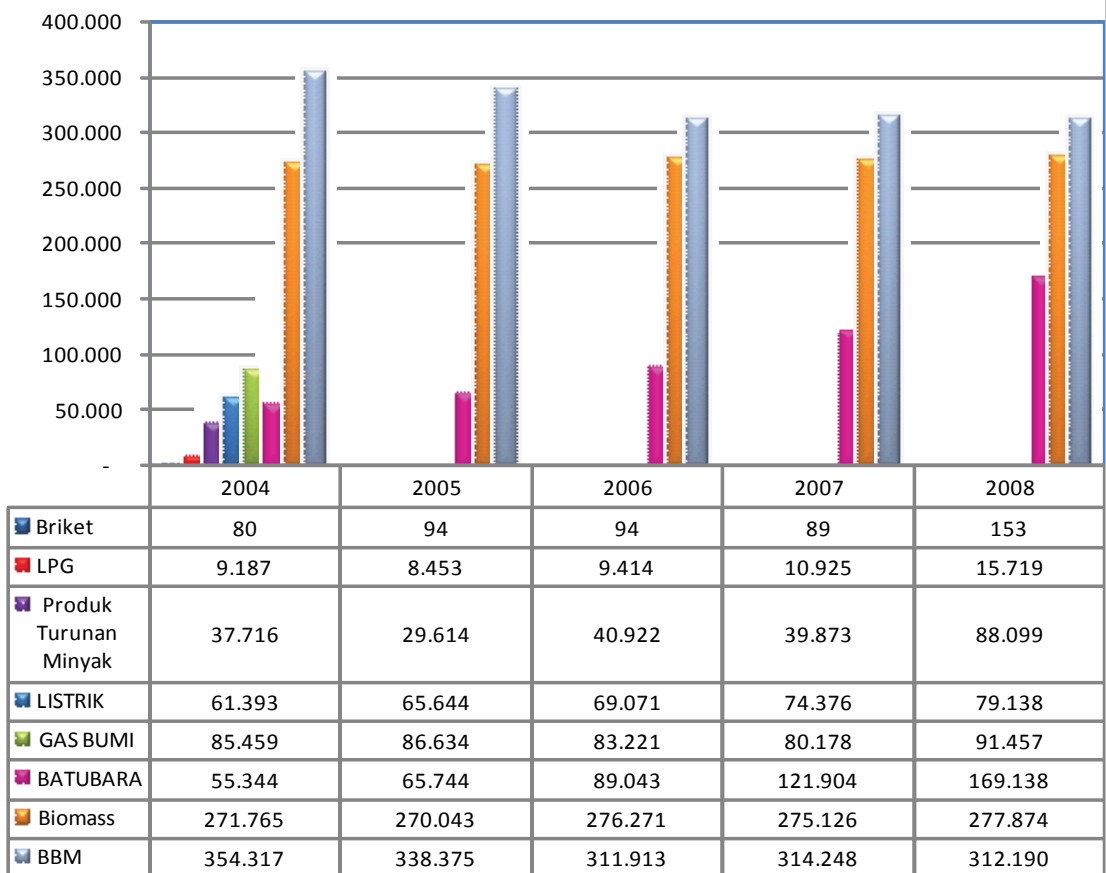


TABEL 38  
PEMAKAIAN ENERGI FINAL MENURUT JENIS  
*FINAL ENERGY CONSUMPTION BY TYPE*  
(RIBU SBM/THOUSAND BOE)

| TAHUN<br>YEAR | BBM<br>OIL | GAS BUMI<br>NATURAL<br>GAS | BATUBARA<br>COAL | LISTRIK<br>ELECTRICITY | LPG<br>LPG | BIOMASA<br>BIOMASS | Produk Turunan<br>Minyak<br>Other Petroleum<br>Product | BRIKET<br>BRIQUETTE | JUMLAH<br>TOTAL |
|---------------|------------|----------------------------|------------------|------------------------|------------|--------------------|--------------------------------------------------------|---------------------|-----------------|
| 2000          | 315.272,0  | 87.214,0                   | 36.060,0         | 48.555,0               | 8.261,0    | 269.042            | 13.435                                                 | 85                  | 777.924         |
| 2001          | 328.203,0  | 82.235,0                   | 37.021,0         | 51.841,0               | 8.280,0    | 268.953            | 25.712                                                 | 78                  | 802.323         |
| 2002          | 325.202,0  | 80.885,0                   | 38.698,0         | 53.418,0               | 8.744,0    | 270.207            | 22.688                                                 | 83                  | 799.925         |
| 2003          | 321.384,0  | 90.277,0                   | 68.264,0         | 55.473,0               | 8.766,0    | 271.974            | 23.533                                                 | 77                  | 839.748         |
| 2004          | 354.317,0  | 85.459,0                   | 55.344,0         | 61.393,0               | 9.187,0    | 271.765            | 37.716                                                 | 80                  | 875.261         |
| 2005          | 338.375,0  | 86.634,0                   | 65.744,0         | 65.644,0               | 8.453,0    | 270.043            | 29.614                                                 | 94                  | 864.601         |
| 2006          | 311.913,0  | 83.221,0                   | 89.043,0         | 69.071,0               | 9.414,0    | 276.271            | 40.922                                                 | 94                  | 879.949         |
| 2007          | 314.248,0  | 80.178,0                   | 121.904,0        | 74.376,0               | 10.925,0   | 275.126            | 39.873                                                 | 89                  | 916.719         |
| 2008          | 312.190,0  | 91.457,0                   | 169.138,0        | 79.138,0               | 15.719,0   | 277.874            | 88.099                                                 | 153                 | 1.033.768       |

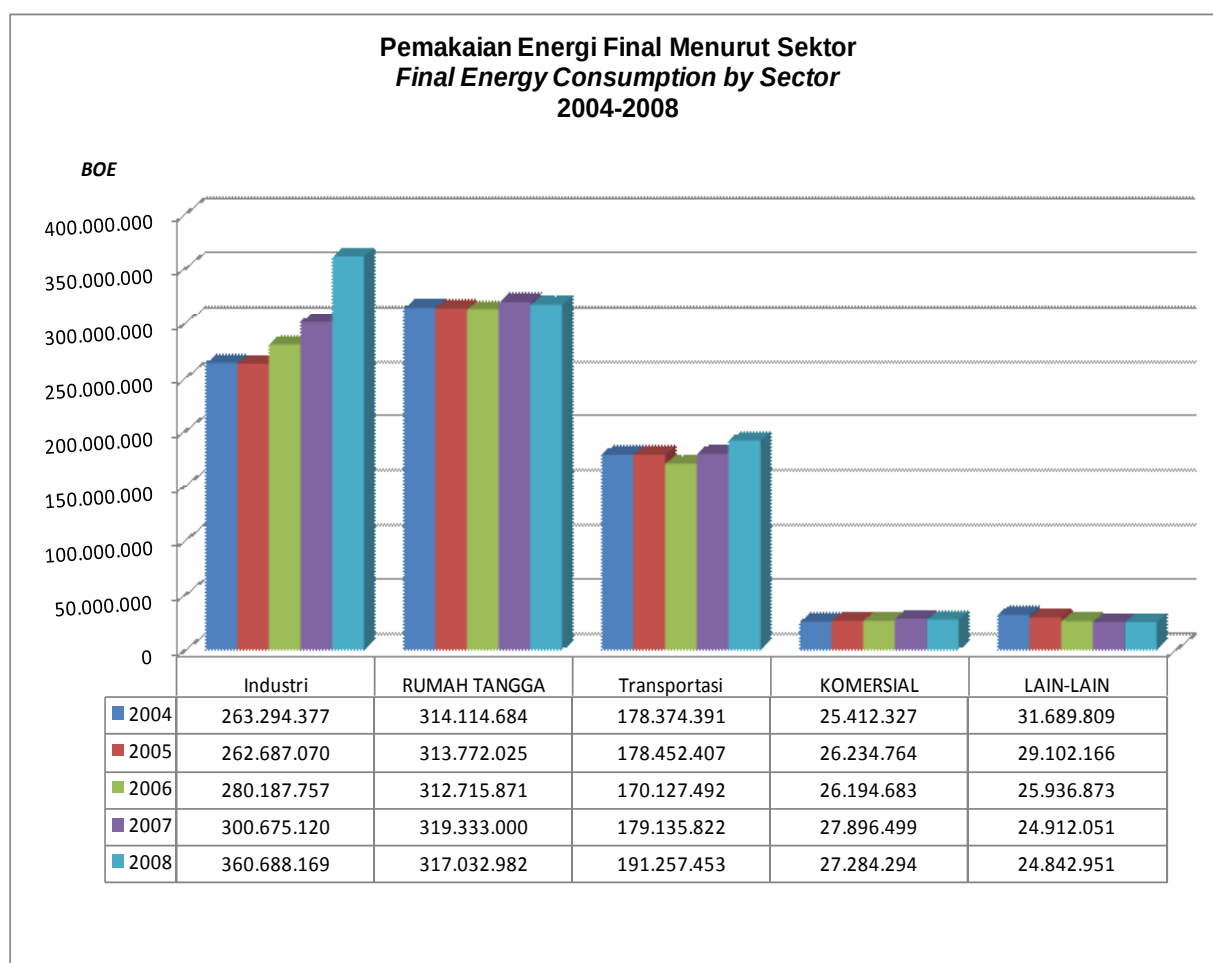
**Pemakaian energi Final Menurut Jenis**  
***Final Energy Consumption by Type***  
**2004 - 2008**

*Thousand BOE*



TABEL 39  
PEMAKAIAN ENERGI FINAL MENURUT SEKTOR  
FINAL ENERGY CONSUMPTION BY SECTOR  
(SBM/BOE)

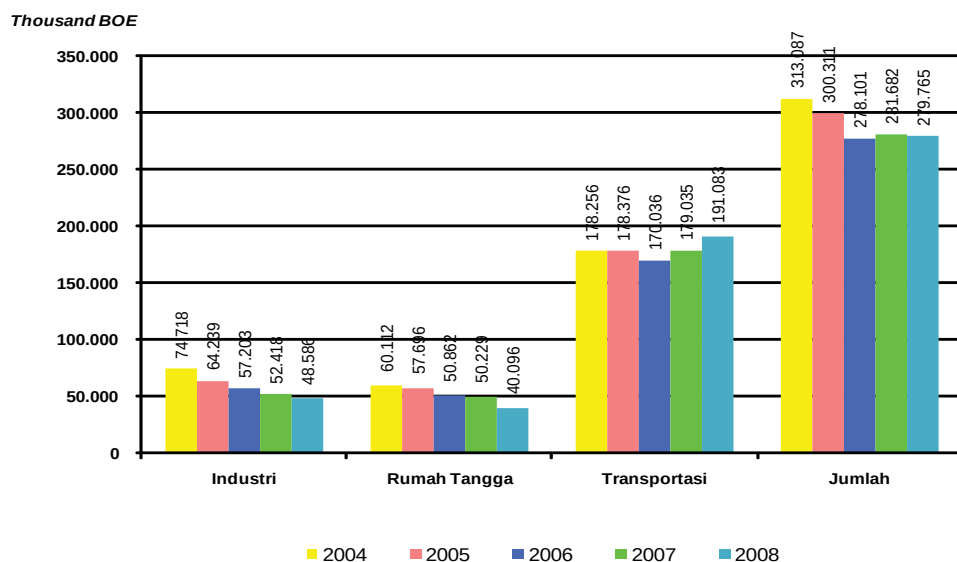
| TAHUN<br>YEAR | INDUSTRI<br>INDUSTRIAL | RUMAH TANGGA<br>HOUSEHOLD | KOMERSIAL<br>COMMERCIAL | TRANSPORTASI<br>TRANSPORTATION | LAIN-LAIN<br>OTHERS | JUMLAH<br>TOTAL |
|---------------|------------------------|---------------------------|-------------------------|--------------------------------|---------------------|-----------------|
| 2000          | 251.895.942            | 296.573.110               | 20.670.389              | 139.178.658                    | 29.213.878          | 737.531.977     |
| 2001          | 252.158.714            | 301.347.223               | 21.449.843              | 148.259.584                    | 30.585.607          | 753.800.971     |
| 2002          | 245.108.900            | 303.032.794               | 21.752.300              | 151.498.823                    | 29.998.546          | 751.391.363     |
| 2003          | 275.308.517            | 309.046.165               | 22.397.122              | 156.232.909                    | 28.445.436          | 791.430.149     |
| 2004          | 263.294.377            | 314.114.684               | 25.412.327              | 178.374.391                    | 31.689.809          | 812.885.588     |
| 2005          | 262.687.070            | 313.772.025               | 26.234.764              | 178.452.407                    | 29.102.166          | 810.248.432     |
| 2006          | 280.187.757            | 312.715.871               | 26.194.683              | 170.127.492                    | 25.936.873          | 815.162.676     |
| 2007          | 300.675.120            | 319.333.000               | 27.896.499              | 179.135.822                    | 24.912.051          | 851.952.492     |
| 2008          | 360.688.169            | 317.032.982               | 27.284.294              | 191.257.453                    | 24.842.951          | 921.105.849     |



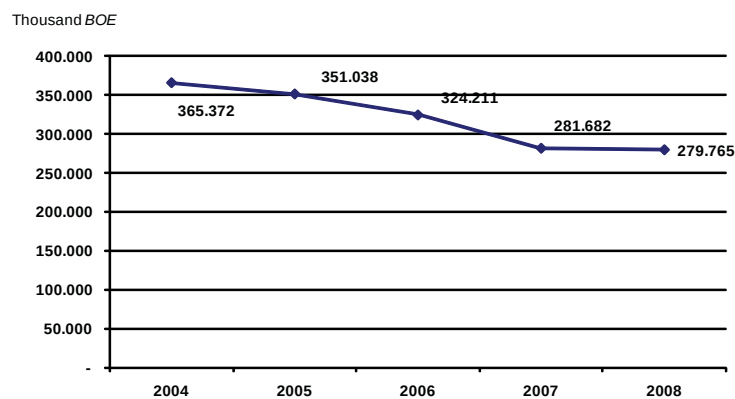
TABEL 40  
KONSUMSI BBM PER SEKTOR  
OIL CONSUMPTION BY SECTOR  
(RIBU SBM/THOUSAND BOE)

| TAHUN<br>YEAR | INDUSTRI<br>INDUS-<br>TRIAL | %     | RUMAH<br>TANGGA<br>HOUSE-<br>HOLD | %     | KOMERSIAL<br>COMMER-<br>CIAL | %    | TRANSPORTASI<br>TRANSPORTA-<br>TION | %     | LAIN-<br>LAIN<br>OTHERS | %    | JUMLAH<br>TOTAL |
|---------------|-----------------------------|-------|-----------------------------------|-------|------------------------------|------|-------------------------------------|-------|-------------------------|------|-----------------|
| 2000          | 74.979                      | 23,78 | 63.216                            | 20,05 | 8.886                        | 2,82 | 138.978                             | 44,08 | 29.214                  | 9,27 | 315.273         |
| 2001          | 78.033                      | 23,78 | 62.329                            | 18,99 | 9.165                        | 2,79 | 148.091                             | 45,12 | 30.586                  | 9,32 | 328.204         |
| 2002          | 75.690                      | 23,27 | 59.261                            | 18,22 | 8.903                        | 2,74 | 151.349                             | 46,54 | 29.999                  | 9,22 | 325.202         |
| 2003          | 68.493                      | 21,31 | 59.640                            | 18,56 | 8.712                        | 2,71 | 156.093                             | 48,57 | 28.445                  | 8,85 | 321.383         |
| 2004          | 74.718                      | 21,09 | 60.112                            | 16,97 | 9.540                        | 2,69 | 178.256                             | 50,31 | 31.690                  | 8,94 | 354.317         |
| 2005          | 64.239                      | 18,98 | 57.696                            | 17,05 | 8.961                        | 2,65 | 178.376                             | 52,72 | 29.102                  | 8,60 | 338.374         |
| 2006          | 57.203                      | 18,34 | 50.862                            | 16,31 | 7.866                        | 2,52 | 170.036                             | 54,52 | 25.937                  | 8,32 | 311.904         |
| 2007          | 52.418                      | 16,68 | 50.229                            | 15,98 | 7.646                        | 2,43 | 179.035                             | 56,97 | 24.912                  | 7,93 | 314.240         |
| 2008          | 48.586                      | 15,58 | 40.096                            | 12,85 | 7.312                        | 2,34 | 191.083                             | 61,26 | 24.843                  | 7,96 | 311.920         |

Konsumsi BBM Menurut Sektor  
Oil Consumption By Sector  
2004 - 2008



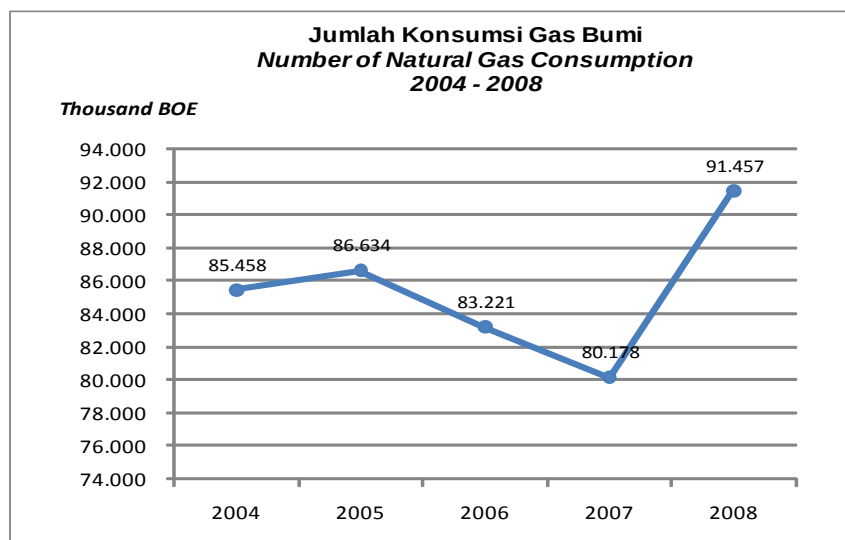
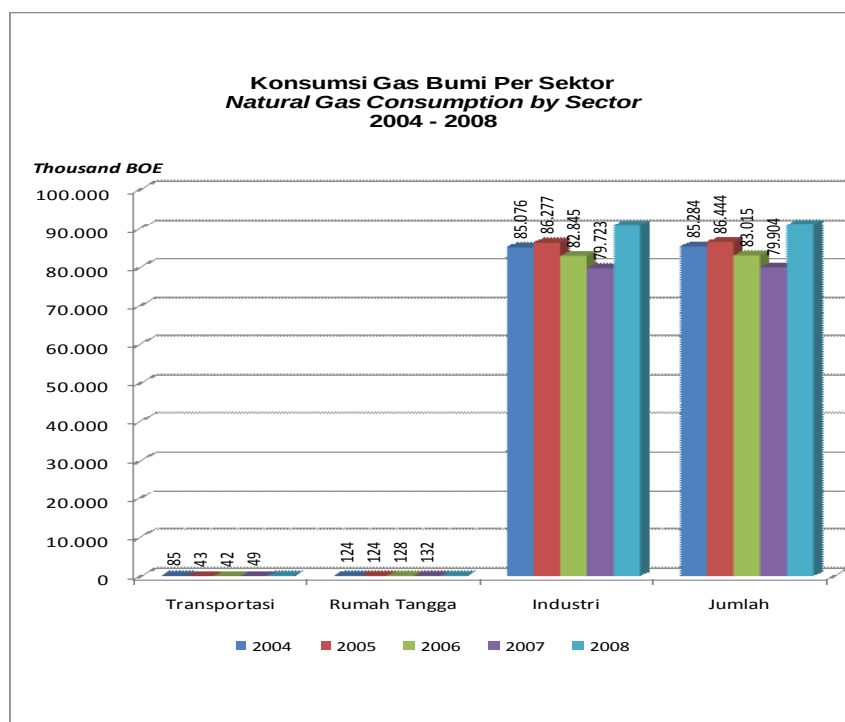
Jumlah Konsumsi BBM  
Number of Oil Consumption By Sector  
In 2008





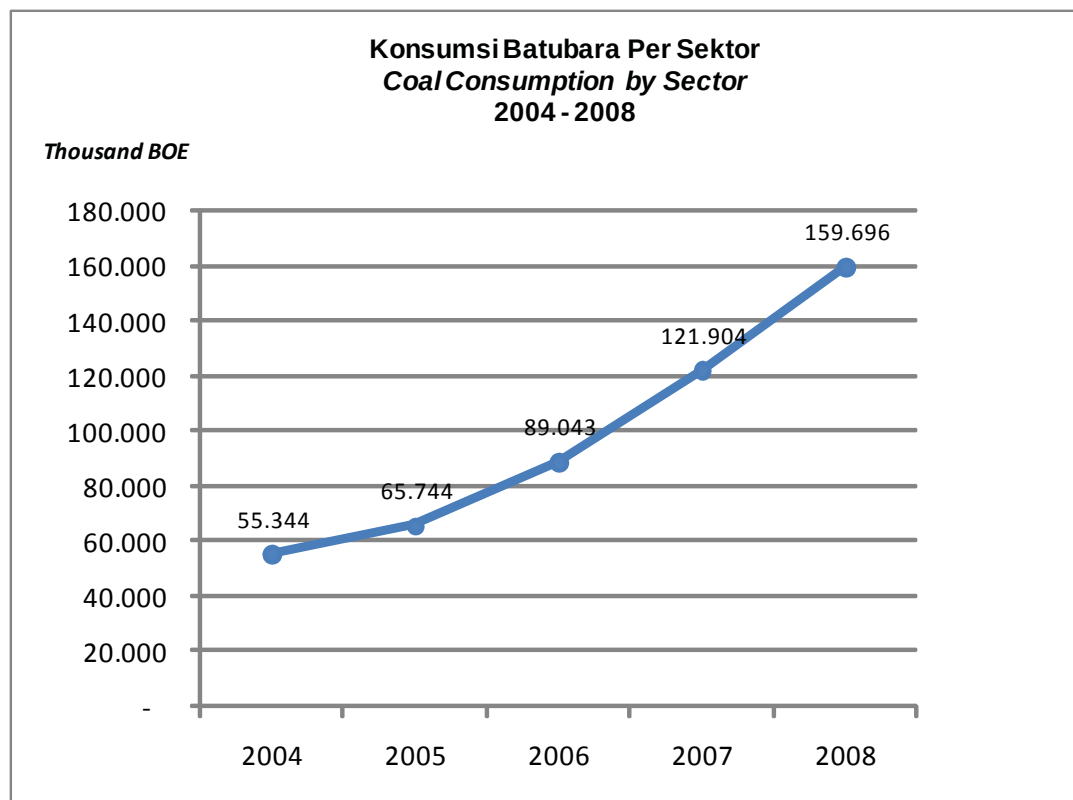
TABEL 41  
KONSUMSI GAS BUMI PER SEKTOR  
NATURAL GAS CONSUMPTION BY SECTOR  
(RIBU SBM/THOUSAND BOE)

| TAHUN<br>YEAR | INDUSTRI<br>INDUSTRIAL | %     | RUMAH<br>TANGGA<br>HOUSEHOLD | %    | KOMERSIAL<br>COMMERCIAL | %    | TRANSPORTASI<br>TRANSPORTATION | %    | JUMLAH<br>TOTAL |
|---------------|------------------------|-------|------------------------------|------|-------------------------|------|--------------------------------|------|-----------------|
| 2000          | 86.826                 | 99,55 | 81                           | 0,09 | 134,00                  | 0,70 | 174                            | 0,20 | 87.214,1        |
| 2001          | 81.861                 | 99,55 | 87                           | 0,11 | 147,00                  | 0,74 | 139                            | 0,17 | 82.234,6        |
| 2002          | 80.508                 | 99,53 | 96                           | 0,12 | 164,00                  | 0,81 | 118                            | 0,15 | 80.885,3        |
| 2003          | 89.912                 | 98,64 | 99                           | 1,19 | 158,00                  | 0,76 | 108                            | 0,17 | 90.276,5        |
| 2004          | 85.076                 | 98,58 | 124                          | 1,24 | 174,00                  | 0,73 | 85                             | 0,17 | 85.458,2        |
| 2005          | 86.277                 | 99,59 | 124                          | 0,14 | 190,00                  | 0,77 | 43                             | 0,05 | 86.633,8        |
| 2006          | 82.845                 | 99,75 | 128                          | 0,15 | 206,00                  | 0,83 | 42                             | 0,11 | 83.221,0        |
| 2007          | 79.723                 | 99,43 | 132                          | 0,17 | 274,00                  | 1,03 | 49                             | 0,06 | 80.177,8        |
| 2008          | 90.845                 | 99,33 | 131                          | 0,14 | 357,00                  | 1,29 | 124                            | 0,14 | 91.456,7        |



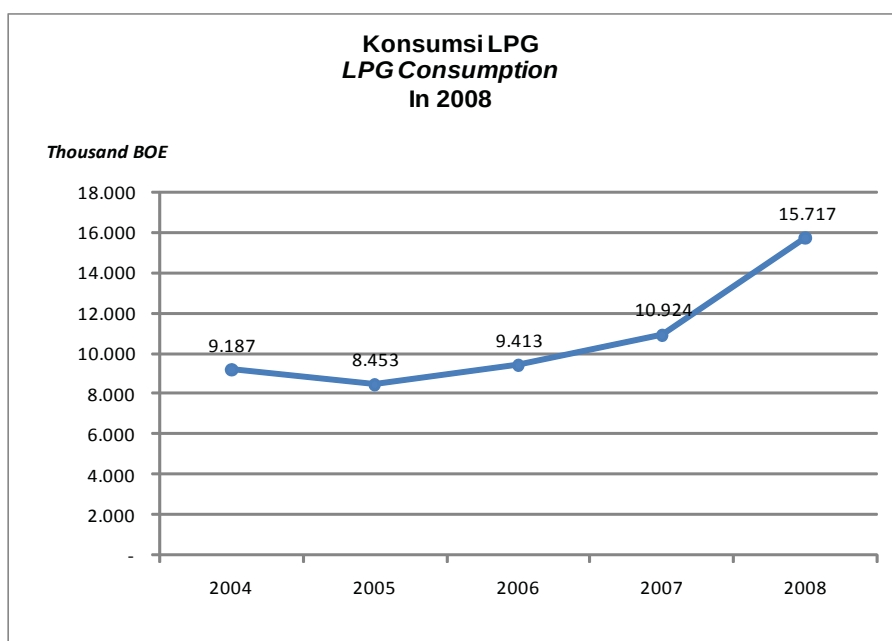
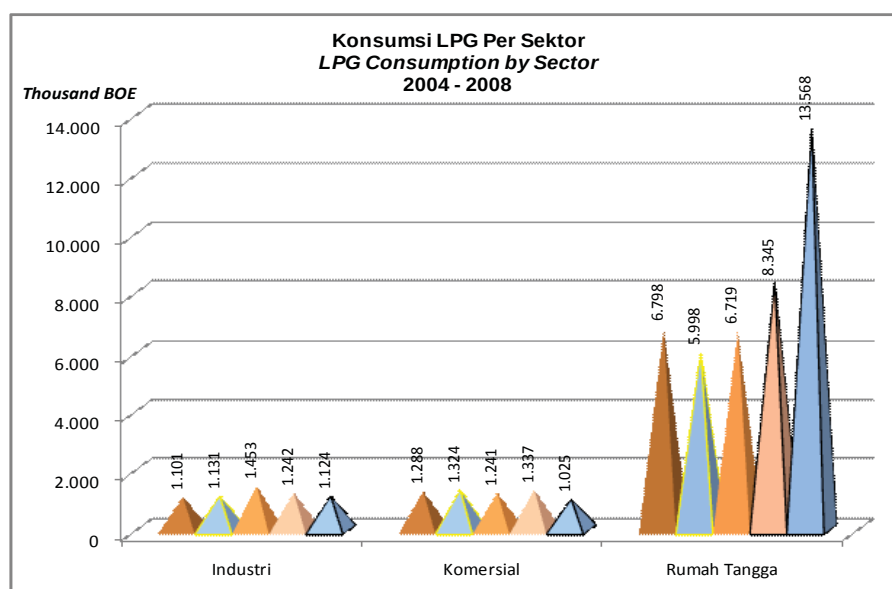
TABEL 42  
KONSUMSI BATUBARA PER SEKTOR  
COAL CONSUMPTION BY SECTOR  
(RIBU SBM/THOUSAND BOE)

| TAHUN<br>YEAR | INDUSTRI<br>INDUSTRIAL | %   | RUMAH TANGGA<br>HOUSEHOLD | %    | TRANSPORTASI<br>TRANSPORTATION | %    | JUMLAH<br>TOTAL |
|---------------|------------------------|-----|---------------------------|------|--------------------------------|------|-----------------|
| 2000          | 36.060                 | 100 | 0,00                      | 0,00 | 0,0                            | 0,00 | 36.060,0        |
| 2001          | 37.021                 | 100 | 0,00                      | 0,00 | 0,0                            | 0,00 | 37.021,0        |
| 2002          | 38.698                 | 100 | 0,00                      | 0,00 | 0,0                            | 0,00 | 38.698,0        |
| 2003          | 68.264                 | 100 | 0,00                      | 0,00 | 0,0                            | 0,00 | 68.264,0        |
| 2004          | 55.344                 | 100 | 0,00                      | 0,00 | 0,0                            | 0,00 | 55.344,0        |
| 2005          | 65.744                 | 100 | 0,00                      | 0,00 | 0,0                            | 0,00 | 65.744,0        |
| 2006          | 89.043                 | 100 | 0,00                      | 0,00 | 0,0                            | 0,00 | 89.043,0        |
| 2007          | 121.904                | 100 | 0,00                      | 0,00 | 0,0                            | 0,00 | 121.904,0       |
| 2008          | 159.696                | 100 | 0,00                      | 0,00 | 0,0                            | 0,00 | 159.696,0       |



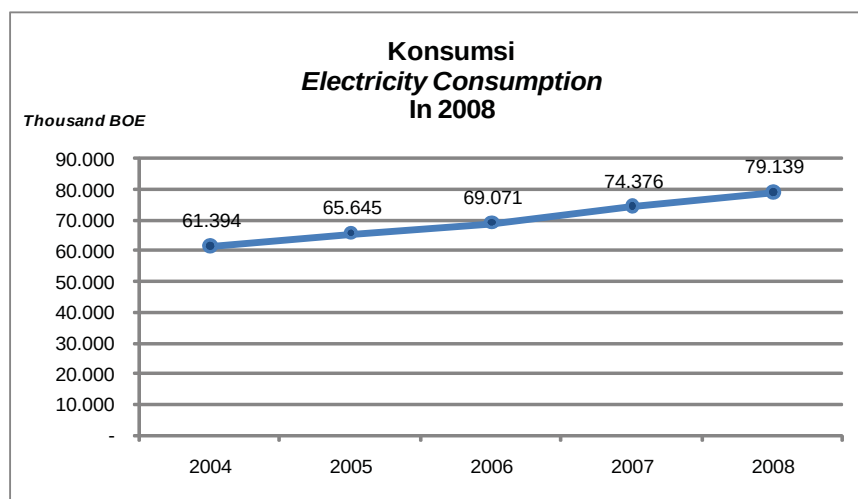
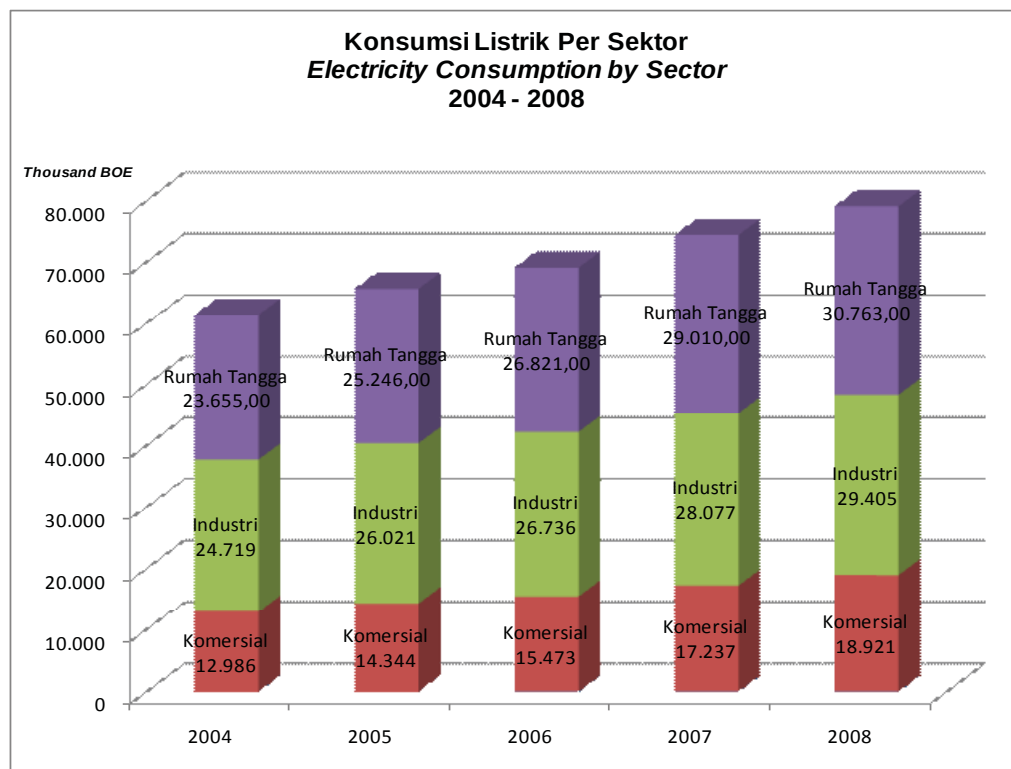
TABEL 43  
KONSUMSI LPG PER SEKTOR  
LPG CONSUMPTION BY SECTOR  
(RIBU SBM/THOUSAND BOE)

| TAHUN<br>YEAR | INDUSTRI<br>INDUSTRIAL | %     | RUMAH<br>TANGGA<br>HOUSEHOLD | %     | KOMERSIAL<br>COMMERCIAL | %     | TRANSPORTASI<br>TRANSPORTATION | %    | JUMLAH<br>TOTAL |
|---------------|------------------------|-------|------------------------------|-------|-------------------------|-------|--------------------------------|------|-----------------|
| 2000          | 1.073                  | 12,99 | 5.932                        | 71,80 | 1.257                   | 15,22 | 0                              | 0,00 | 8.262           |
| 2001          | 972                    | 11,74 | 6.170                        | 74,52 | 1.138                   | 13,74 | 0                              | 0,00 | 8.280           |
| 2002          | 1.093                  | 12,50 | 6.373                        | 72,88 | 1.279                   | 14,63 | 0                              | 0,00 | 8.745           |
| 2003          | 808                    | 9,22  | 7.013                        | 79,99 | 946                     | 10,79 | 0                              | 0,01 | 8.767           |
| 2004          | 1.101                  | 11,98 | 6.798                        | 74,00 | 1.288                   | 14,02 | 0                              | 0,00 | 9.187           |
| 2005          | 1.131                  | 13,38 | 5.998                        | 70,96 | 1.324                   | 15,66 | 0                              | 0,00 | 8.453           |
| 2006          | 1.453                  | 15,44 | 6.719                        | 71,38 | 1.241                   | 13,18 | 0                              | 0,00 | 9.413           |
| 2007          | 1.242                  | 11,37 | 8.345                        | 76,39 | 1.337                   | 12,24 | 0                              | 0,00 | 10.924          |
| 2008          | 1.124                  | 7,15  | 13.568                       | 86,33 | 1.025                   | 6,52  | 0                              | 0,00 | 15.717          |



TABEL 44  
KONSUMSI LISTRIK PER SEKTOR  
ELECTRICITY CONSUMPTION BY SECTOR  
(RIBU SBM/THOUSAND BOE)

| TAHUN<br>YEAR | INDUSTRI<br>INDUSTRIAL | %     | RUMAH TANGGA<br>HOUSEHOLD | %     | KOMERSIAL<br>COMMERCIAL | %     | TRANSPORTASI<br>TRANSPORTATION | %    | JUMLAH<br>TOTAL |
|---------------|------------------------|-------|---------------------------|-------|-------------------------|-------|--------------------------------|------|-----------------|
| 2000          | 20.850                 | 42,94 | 18.735,00                 | 38,59 | 8.943                   | 18,42 | 27                             | 0,06 | 48.555          |
| 2001          | 21.819                 | 42,09 | 20.437,00                 | 39,42 | 9.555                   | 18,43 | 30                             | 0,06 | 51.841          |
| 2002          | 22.578                 | 42,27 | 20.838,00                 | 39,01 | 9.970                   | 18,66 | 33                             | 0,06 | 53.419          |
| 2003          | 22.373                 | 40,33 | 21.917,00                 | 39,51 | 11.151                  | 20,10 | 33                             | 0,06 | 55.474          |
| 2004          | 24.719                 | 40,26 | 23.655,00                 | 38,53 | 12.986                  | 21,15 | 34                             | 0,06 | 61.394          |
| 2005          | 26.021                 | 39,64 | 25.246,00                 | 38,46 | 14.344                  | 21,85 | 34                             | 0,05 | 65.645          |
| 2006          | 26.736                 | 38,71 | 26.821,00                 | 38,83 | 15.473                  | 22,40 | 41                             | 0,06 | 69.071          |
| 2007          | 28.077                 | 37,75 | 29.010,00                 | 39,00 | 17.237                  | 23,18 | 52                             | 0,07 | 74.376          |
| 2008          | 29.405                 | 37,16 | 30.763,00                 | 38,87 | 18.921                  | 23,91 | 50                             | 0,06 | 79.139          |

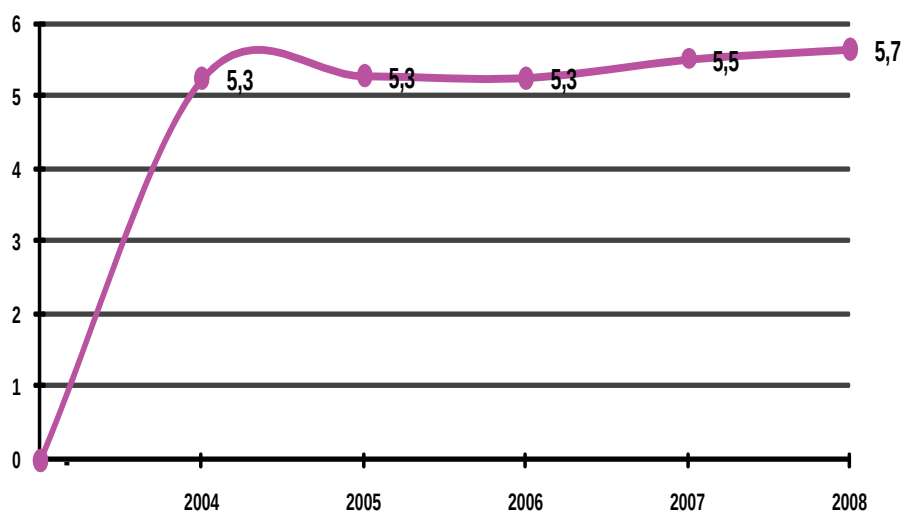


TABEL 45  
KONSUMSI LISTRIK PER SEKTOR  
*ELECTRICITY CONSUMPTION BY SECTOR*  
(RIBU SBM/THOUSAND BOE)

| TAHUN<br>YEAR | JUMLAH<br>PENDUDUK<br>NUMBER OF<br>POPULATION | KONSUMSI ENERGI<br>ENERGY CONSUMPTION | KONSUMSI ENERGI<br>PER KAPITA<br>ENERGY CONSUMPTION<br>PER CAPITA |
|---------------|-----------------------------------------------|---------------------------------------|-------------------------------------------------------------------|
| 2000          | 207.625.648                                   | 995.741.709                           | 4,8                                                               |
| 2001          | 208.900.600                                   | 1.041.252.219                         | 5,0                                                               |
| 2002          | 212.003.500                                   | 1.070.035.892                         | 5,0                                                               |
| 2003          | 215.152.383                                   | 1.131.058.046                         | 5,3                                                               |
| 2004          | 217.854.100                                   | 1.144.483.636                         | 5,3                                                               |
| 2005          | 220.553.066                                   | 1.166.487.650                         | 5,3                                                               |
| 2006          | 223.013.776                                   | 1.173.487.531                         | 5,3                                                               |
| 2007          | 223.013.776                                   | 1.230.913.110                         | 5,5                                                               |
| 2008          | 228.523.300                                   | 1.292.344.517                         | 5,7                                                               |

Konsumsi Energi Per Kapita  
*Per Capita Of Energy Consumption*  
2004 - 2008

(BOE/Population)



## DAFTAR PENJELASAN

## SARANA TRANSMISI

Transmisi TET (kms) / EHVTL: Panjang jaringan Transmisi Tegangan Extra Tinggi (500 kV) / Extra High Voltage (kmc) Transmission Lines

Transmisi TT (kms) / HVTL : Penjumlahan panjang jaringan (kms) Transmisi Tegangan Tinggi (25 s.d 150 kV) / High (kmc) Voltage Transmission Lines

## SARANA DISTRIBUSI

JTM (kms) : Penjumlahan panjang Jaringan Transmisi Tegangan Menengah (6 s.d 20 kV)

JTR (kms) : Panjang Jaringan Transmisi Tegangan Rendah (< 6 kV)

## KELOMPOK PELANGGAN

Industri : Penjumlahan golongan tarif I-1, I-2, I-3, dan I-4

Rumah Tangga : Penjumlahan golongan tarif S-1, R-1, R-2, dan R-3

Usaha/Bisnis : Penjumlahan golongan tarif B-1, B-2, B-3, T, C, dan tarif Multiguna

Lain-Lain/Umum : Penjumlahan golongan tarif S-2, S-3, P-1, P-2, dan P-3  
(I=Industri, S-2, S-3=Sosial, R=Rumah Tangga, B=Bisnis, T=Traksi, C=Curah, P-1, P-2=Gd. Kantor Pemerintah, P-3=Penerangan Jalan Umum dan Multiguna= Tarif yang diperuntukan hanya bagi pengguna listrik yang memerlukan pelayanan dengan kualitas khusus yang tidak termasuk dalam golongan tarif S, R, B, I, P, T, dan C).

Rasio Elektrifikasi :  $\frac{\text{Jumlah Pelanggan Rumah Tangga}}{\text{Total Rumah Tangga}}$

Konsumsi Tenaga

Listrik per Kapita :  $\frac{\text{Jumlah Penjualan Tenaga Listrik}}{\text{Jumlah Penduduk}}$

Konsumsi Tenaga

Listrik per Pelanggan :  $\frac{\text{Jumlah Penjualan Tenaga Listrik}}{\text{Jumlah Pelanggan}}$

## JENIS TEGANGAN

Tegangan Rendah : Penjumlahan golongan tarif S-1, S-2, R-1, R-2, R-3, B-1, B-2, I-1, I-2, P-1, dan P-3

Tegangan Menengah : Penjumlahan golongan tarif S-3, B-3, I-3, P-2, T, dan C

Tegangan Tinggi : Golongan tarif I-4

# SINGKATAN

|        |   |                                                                                                              |
|--------|---|--------------------------------------------------------------------------------------------------------------|
| PLTA   | : | Pusat Listrik Tenaga Air                                                                                     |
| PLTU   | : | Pusat Listrik Tenaga Uap                                                                                     |
| PLTG   | : | Pusat Listrik Tenaga Gas                                                                                     |
| PLTGU  | : | Pusat Listrik Tenaga Gas & Uap                                                                               |
| PLTD   | : | Pusat Listrik Tenaga Diesel                                                                                  |
| PLTM-G | : | Pusat Listrik Tenaga Mesin-Gas                                                                               |
| PLTP   | : | Pusat Listrik Tenaga Panas Bumi                                                                              |
| VA     | : | volt-ampere                                                                                                  |
| MVA    | : | mega-volt-ampere                                                                                             |
| kW     | : | kilowatt                                                                                                     |
| MW     | : | megawatt                                                                                                     |
| kWh    | : | kilowatt-hour                                                                                                |
| MWh    | : | megawatt-hour                                                                                                |
| GWh    | : | gigawatt-hour                                                                                                |
| kms    | : | kilometer-sirkuit                                                                                            |
| SCF    | : | Standard Cubic Foot (M=103)                                                                                  |
| MSCF   | : | 103 Standard Cubic Foot (M=103)                                                                              |
| MMSCF  | : | 106 Standard Cubic Foot (MM=106)                                                                             |
| BTU    | : | British Thermal Unit (MM=1 06)                                                                               |
| MMBTU  | : | 106 British Thermal Unit (MM=1 06)                                                                           |
| JOULE  | : | Dalam sistem Standar Internasional (SI) satuan energi adalah Joule (J) dan satuan massa adalah kilogram (kg) |
| KCAL   | : | kilo kalori                                                                                                  |
| BOE    | : | Barrel Oil of Equivalent                                                                                     |
| TCE    | : | Trichloroethylene                                                                                            |
| HSD    | : | Hight Speed Diesel Oil                                                                                       |
| IDO    | : | Intermediate Diesel Oil                                                                                      |
| MFO    | : | Marine Fuel Oil                                                                                              |
| PJU    | : | Penerangan Jalan Umum                                                                                        |
| PJB    | : | Pembangkitan Tenaga Listrik Jawa - Bali                                                                      |
| P3B    | : | Penyaluran dan Pusat Pengatur Beban                                                                          |
| n.a    | : | not available                                                                                                |

## British Thermal Unit (BTU) :

adalah jumlah panas yang diperlukan untuk menaikkan 1 pound air 1 derajat Fahrenheit pada temperatur 60 derajat Fahrenheit, pada tekanan absolut 14,7 pound per square inch.

## Standard Cubic Foot (SCF) :

adalah sejumlah gas yang diperlukan untuk mengisi ruangan 1 Cubic Foot, dengan tekanan sebesar 14,7 pounds per square inch absolut dan pada temperatur 60 derajat Fahrenheit, dalam kondisi kering.

## 1000 BTU Gas :

adalah gas mempunyai Gross Heating Value sebesar 1000 BTU per SCF.

## Gross Heating Value :

adalah jumlah panas yang dinyatakan dalam satuan BTU yang dihasilkan oleh pembakaran sempurna dari satu Standart Cubic Foot Gas, pada temperatur 60 derajat Fahrenheit dan tekanan absolut 14,7 pounds per square inch, dengan udara pada temperatur dan tekanan yang sama dengan gas tersebut, dan setelah pendinginan hasil pembakaran pada tingkat temperatur permulaan gas dan udara, uap air yang terbentuk dalam proses pembakaran itu terkondensasikan ke dalam bentuk cair.

Klasifikasi tegangan listrik menurut SPLN No.1 yang berjudul Tegangan Tegangan Standar, yaitu :

## Tegangan Rendah :

Tegangan rendah adalah tegangan sistem antara 100 VAC sampai 1 kVAC.

**Tegangan menengah :**

Tegangan menengah adalah tegangan sistem di atas 1 kVAC sampai 35 kVAC.

**Tegangan tinggi :**

Tegangan tinggi adalah tegangan sistem diatas 35 kVAC sampai dengan 245 kVAC.

**Tegangan ekstra tinggi :**

Tegangan ekstra tinggi adalah tegangan sistem di atas 245 kVAC.

Klasifikasi tegangan listrik menurut SNI (PUIL 2000) SNI dikeluarkan oleh BSN, sedangkan PUIL diterbitkan oleh yayasan PUIL. SNI 04-0225-2000 adalah PUIL (Persyaratan Umum Instalasi Listrik) terbitan tahun 2000 yang ditetapkan menjadi Standar Nasional Indonesia. PUIL menggunakan standar IEC (International Electrotechnical Commission) yaitu IEC 60364 sebagai acuan utamanya, selain itu (menurut prakata dari panitia revisi PUIL) juga mengacu pada NEC, SAA, VDE.

Definisi pembagian tegangan listrik menurut PUIL (ditulis ulang secara bebas, hak cipta dokumen PUIL 2000 pada Yayasan PUIL!) :

**Tegangan ekstra rendah :**

Tegangan ekstra rendah yaitu tegangan sistem setinggi-tingginya 50 VAC atau 120 VDC.

**Tegangan rendah :**

Tegangan rendah adalah tegangan sistem yang telah melebihi batas nilai tegangan ekstra rendah, tetapi besar tegangannya setinggi-tingginya 1000 VAC atau 1500 VDC.

**Tegangan menengah :**

Tegangan menengah adalah tegangan sistem diatas 1 kVAC sampai dengan 35 kVAC.

**Tegangan tinggi :**

Tegangan tinggi adalah tegangan sistem diatas 35 kVAC.