

DAFTAR ISI *table of content*

Lokasi dan Daya Terpasang Pembangkit PT PJB	02	<i>Location & Installed Capacity PT PJB Power Plant</i>
Dewan Direksi	04	<i>Board of Director</i>
OPERASI PEMBANGKIT	05	<i>POWER PLANT OPERATION</i>
Daya Terpasang Perjenis Pembangkit	06	<i>Installed capacity Per Power Generating Type</i>
Produksi Per Unit Pembangkitan	06	<i>Production Per Power Generating Unit</i>
Produksi Per Jenis Pembangkit	07	<i>Production Per Power Generating Type</i>
Produksi Per Jenis Bahan Bakar	07	<i>Production Per Fuel Type</i>
Pemakaian Sendiri Per Unit Pembangkit	08	<i>Own-Consumption Per Power Generating Unit</i>
Pemakaian Sendiri Per Jenis Pembangkit	08	<i>Own-Consumption Per Power Generating Type</i>
Pemakaian Sendiri Per Jenis Bahan Bakar	09	<i>Own-Consumption Per Fuel Type</i>
Susut Trafo Per Unit Pembangkit	09	<i>Voltage Regulator Losses Per Power Generating Unit</i>
Susut Trafo Per Jenis Pembangkit	10	<i>Voltage Regulator Losses Per Power Generating Type</i>
Susut Trafo Per Jenis Bahan Bakar	10	<i>Voltage Regulator Losses Per Fuel Type</i>
Penjualan Per Unit Pembangkit	11	<i>Sales Per Power Generating Unit</i>
Penjualan Per Jenis Pembangkit	11	<i>Sales Per Power Generating Type</i>
Penjualan Per Jenis Bahan Bakar	12	<i>Sales Per Fuel Type</i>
Faktor Operasional Keandalan Per Jenis Pembangkit	13	<i>Operational Reliability Factor Per Power Generating Type</i>
Data Operasi PT PJB 2006-2007	14	<i>Operation Data of PT PJB 2006-2007</i>
Data Operasi PT PJB 2008-2009	14	<i>Operation Data of PT PJB 2008-2009</i>
Data Operasi PT PJB 2010	15	<i>Operation Data of PT PJB 2010</i>
Net Plant Heat Rate Per Unit Pembangkit	15	<i>Net Plant Heat Rate Per Power Generating Type</i>
SFC Per Jenis Bahan Bakar	16	<i>SFC Per Fuel Type</i>
Pemakaian Bahan Bakar	16	<i>Fuel Consumption</i>
SUMBER DAYA MANUSIA	17	<i>HUMAN RESOURCES</i>
Jumlah Pegawai Berdasarkan Pendidikan	18	<i>Total Employee on Education Level</i>
Jumlah Pegawai Berdasarkan Usia	19	<i>Total Employee based on Age</i>
Jumlah Pegawai Berdasarkan Unit Satuan	20	<i>Total Employee on Based on Units</i>
KEUANGAN	21	<i>FINANCE</i>
Pendapatan Operasi	22	<i>Operational Income</i>
Laba (Rugi) Operasi	23	<i>Operational profit (Loss)</i>
Laba (Rugi) Sebelum Pajak	24	<i>Profit (loss) Before Tax</i>
Laba (Rugi) Setelah Hak Minoritas Anak Perusahaan	24	<i>Income After Minority Interest</i>
Neraca	25	<i>Balance Sheet</i>
Rumus-rumus	26	<i>Formulas</i>
Daftar Istilah	27	<i>Glossary</i>
Struktur Organisasi	28	<i>Organization Stucture</i>

**LOKASI DAN DAYA
TERPASANG PEMBANGKIT**

PT. PJB

*Location & Installed Capacity PT PJB
Power Plant*



UP MUARA KARANG

- PLTU : 700 MW
- PLTGU : 1.217 MW
- Total Kapasitas : 1.917 MW**



**UP MUARA TAWAR
PLTGU 920 MW**



**UP Cirata
PLTA 1.008 MW**





• **UP GRESIK**

- PLTG : 81 MW
- PLTU : 600 MW
- PLTGU : 1.578 MW

Total Kapasitas : 2.259 MW



UP PAITON
PLTU 800 MW



UP BRANTAS
PLTA 281 MW

Kantor Pusat

DEWAN DIREKSI *board of director*



Aminullah Assagaf
Direktur Keuangan
finance director

Trilaksito Sunu
Direktur SDM & Adm.
HRD & Adm. Director

Susanto Purnomo
Direktur Utama
president director

Haryanto Widodo
Direktur Produksi
production director

Adi Supriono
Direktur Pengembangan & Niaga
Executive of Business and Development Director

Kompetisi bisnis bidang pembangkitan sangat ketat, menyusul masuknya Proyek Percepatan 10.000 MW ke Sistem Jawa, Madura dan Bali (Jamali). Para pelaku bisnis pembangkitan, termasuk PT Pembangkitan Jawa-Bali (PT PJB) dituntut untuk bekerja lebih smart sehingga mampu meningkatkan daya saing. Dengan demikian, PT PJB bukan hanya survive, tetapi juga bertumbuh-kembang dalam situasi persaingan seperti sekarang dan dalam situasi apapun. Oleh karena itu, PT PJB dengan kompetensi inti membangun dan mengimplementasikan proses bisnis Operation and Maintenance (O & M) pembangkitan yang best practice, tidak henti-hentinya melakukan inovasi guna menciptakan keunggulan-keunggulan baru.

Selain fokus pada pengelolaan pembangkit existing, PT PJB juga melakukan pengelolaan Anak Perusahaan dan Afiliasi berdasar kaidah tata pengelolaan perusahaan yang baik (*Good Corporate Governance/GCG*). Semoga Allah senantiasa memberikan petunjuk dan bimbingan-Nya kepada kita semua.

Power Plant business in Indonesia has become very competitive, following the acceleration project of 10,000 MW to the system in Java, Madura and Bali (Jamali). To response to this challenge, all partakers, including the PT Pembangkit Jawa-Bali (PT PJB), are required to work smarter and improve their positions in the business. PT PJB has not only proven itself to rise to the challenge but also grew stronger in the process. PT PJB has built and implemented Operation and Maintenance (O & M) process, giving only the best service in the business and constantly innovating to stay ahead of the game.

Besides our focus on the managing existing power plants, PT PJB is also branching out to set up Subsidiaries and Affiliates, based on the regulation of good corporate management (Good Corporate Governance / GCG). May Allah guide our paths to achieving the best.

OPERASI PEMBANGKIT

Power Plant Operation



Produksi tenaga listrik tahun 2010 sebesar 29.841 GWh mengalami penurunan sebesar 0,33% dari produksi pada tahun 2009 sebesar 30.852 GWh dengan komposisi produksi pembangkit per jenis energi primer air 13,31%, batu bara 19,24%, gas alam 48,54% dan minyak 18,90%. Penurunan produksi ini disebabkan relokasi PLTG Gili Timur 1 x 21 MW ke Borang, Sumatera bagian Utara, dan Repowering PLTU Muara Karang unit 1, 2 dan 3.

In 2010, the electricity production is 29,841 GWh and decreased by 0,33% comparing with production in year 2009 (30,852 GWh). The compositing of power plant production using primary energy such as water 13.31%, coal 19.24%, gas 48,54% and petroleum 18.90%. Decline in production caused by relocated PLTG Gili Timur 1 x 21 MW to Borang, North of Sumatera Utara, and repowering PLTU Muara Karang 1, 2 and 3.

OPERASI PEMBANGKIT

Power Plant Operation

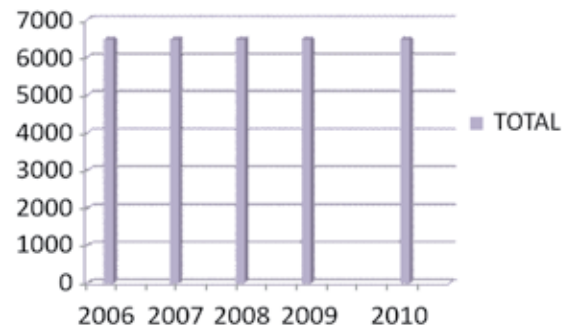
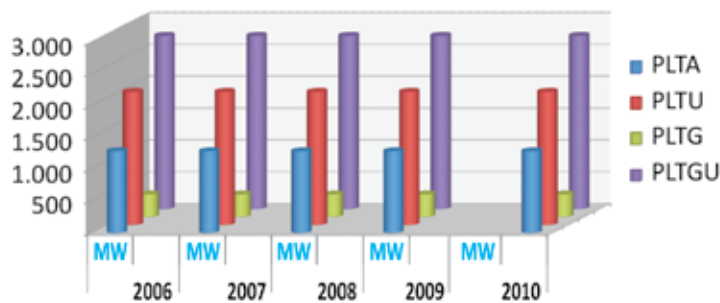
Daya Terpasang Perjenis Pembangkit Installed capacity Per Power Generating Type

Grafik & Tabel 1.1
Graphic & table 1.1

No.	JENIS PEMBANGKIT Number Power Generating Type	2006		2007		2008		2009		2010	
		MW	Kontribusi % Contribution	MW	Kontribusi % Contribution	MW	Kontribusi % Contribution	MW	Kontribusi % Contribution	MW	Kontribusi % Contribution
PJB II											
1	PLTA	1.289	19,90	1.289	19,90	1.289	19,90	1.289	19,90	1.289	19,90
2	PLTU	2.100	32,43	2.100	32,43	2.100	32,43	2.100	32,43	(*) 2.100	32,43
3	PLTG	360	5,56	360	5,56	360	5,56	360	5,56	(**) 360	5,56
4	PLTGU	2.727	42,11	2.727	42,11	2.727	42,11	2.727	42,11	2.727	42,11
TOTAL PJB II		6.476	100	6.476	100	6.476	100	6.476	100	6.476	100
SISTEM JAWA BALI											
1	INDONESIA POWER	9.039	56,70	9.039	56,70	9.039	56,70	9.039	56,70	9.039	56,70
2	PJB	6.476	40,63	6.476	40,63	6.476	40,63	6.476	40,63	6.476	40,63
3	NON PLN	425	2,67	425	2,67	425	2,67	425	2,67	425	2,67
TOTAL JAWA BALI		15.940	100,00	15.940	100,00	15.940	100,00	15.940	100,00	15.940	100,00

(*) Repowering PLTU Muarakarang 3 x 100 MW # 1,2,3

(**) Relokasi PLTG Gili Timur 1 x 21 MW KE

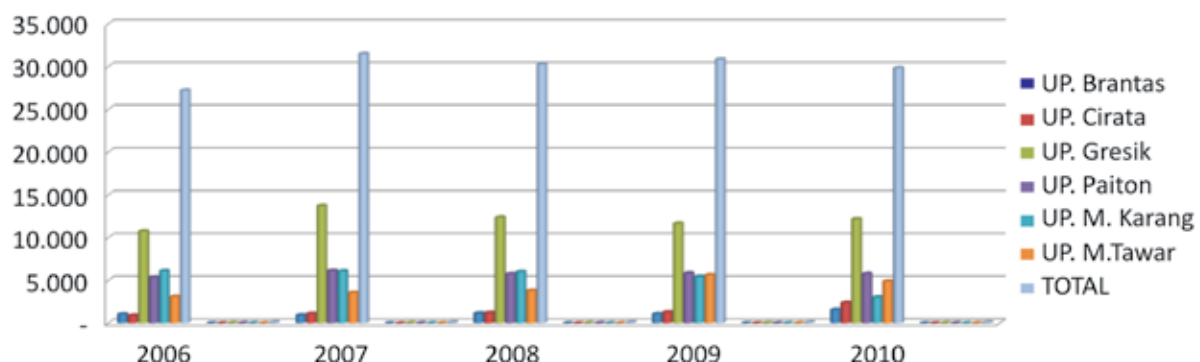


Produksi Per Unit Pembangkit

Production Per Power Generating Unit

Grafik & Tabel 1.2
Graphic & table 1.2

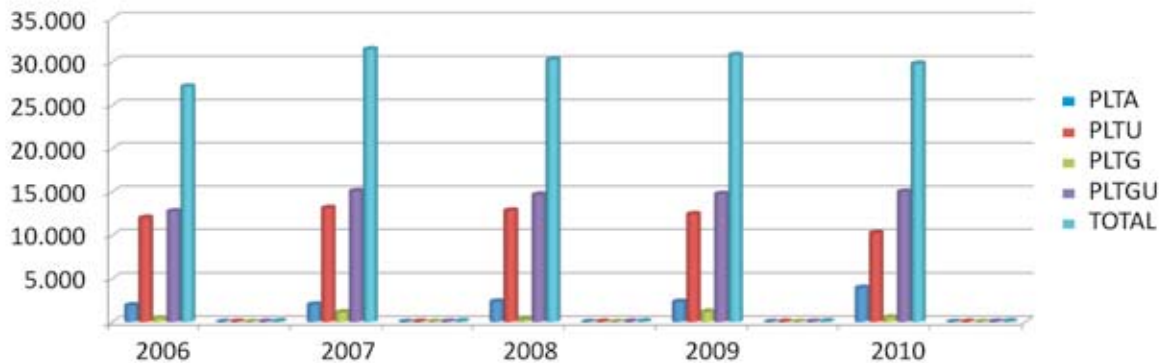
UNIT PEMBANGKITAN Power Generating Type	2006		2007		2008		2009		2010	
	GWh	Kontribusi %	GWh	Kontribusi %	GWh	Kontribusi %	GWh	Kontribusi %	GWh	Kontribusi %
UP. Brantas	1.045	3,84	929	2,95	1.160	3,83	1.066	3,46	1.573	5,27
UP. Cirata	894	3,29	1.110	3,52	1.217	4,02	1.290	4,18	2.399	8,04
UP. Gresik	10.749	39,51	13.727	43,58	12.367	40,84	11.654	37,78	12.165	40,77
UP. Paiton	5.332	19,60	6.104	19,38	5.740	18,96	5.810	18,83	5.748	19,26
UP. M. Karang	6.088	22,38	6.060	19,24	5.991	19,78	5.423	17,58	3.038	10,18
UP. M.Tawar	3.096	11,38	3.566	11,32	3.807	12,57	5.608	18,18	4.917	16,48
TOTAL	27.205	100	31.495	100,00	30.282	100,00	30.852	100,00	29.841	100,00



Produksi Per Jenis Pembangkit
Production Per Power Generating Type

Grafik & Tabel 1.3
Graphic & table 1.3

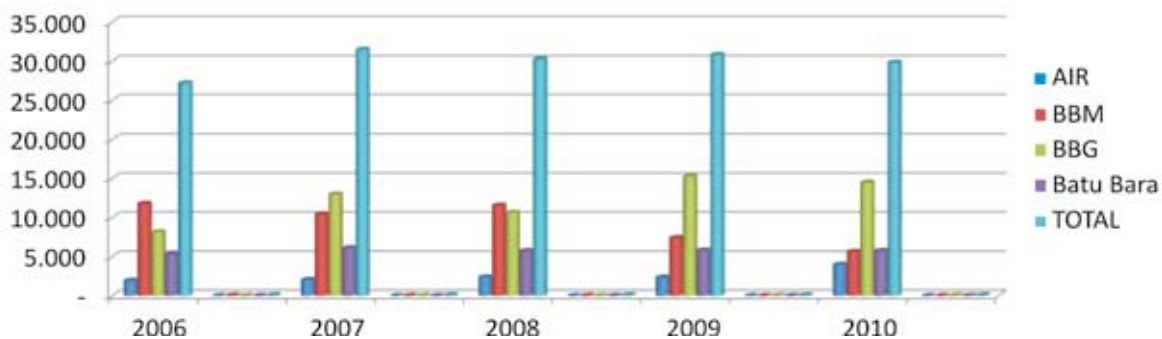
JENIS PEMBANGKIT Power Generating Type	2006		2007		2008		2009		2010	
	GWh	Kontribusi %	GWh	Kontribusi %	GWh	Kontribusi %	GWh	Kontribusi %	GWh	Kontribusi %
PLTA	1.939	7,13	2.039	6,47	2.376	7,85	2.357	7,64	3.972	13,31
PLTU	12.046	44,28	13.181	41,85	12.888	42,56	12.477	40,44	10.264	34,40
PLTG	438	1,61	1.140	3,62	298	0,98	1.212	3,93	549	1,84
PLTGU	12.781	46,98	15.135	48,06	14.720	48,61	14.807	47,99	15.056	50,45
TOTAL	27.205	100	31.495	100,00	30.282	100,00	30.852	100,00	29.841	100,00



Produksi Per Jenis Bahan Bakar
Production Per Fuel Type

Grafik & Tabel 1.4
Graphic & table 1.4

JENIS BAHAN BAKAR Fuel Type	2006		2007		2008		2009		2010	
	GWh	Kontribusi %	GWh	Kontribusi %	GWh	Kontribusi %	GWh	Kontribusi %	GWh	Kontribusi %
AIR	1.939	7,13	2.039	6,47	2.376	7,85	2.357	7,64	3.972	13,31
BBM	11.795	43,36	10.391	32,99	11.554	38,15	7.410	24,02	5.640	18,90
BBG	8.147	29,95	12.970	41,18	10.615	35,05	15.283	49,54	14.486	48,54
Batu Bara	5.324	19,57	6.095	19,35	5.737	18,94	5.803	18,81	5.742	19,24
TOTAL	27.205	100	31.495	100,00	30.282	100,00	30.852	100,00	29.841	100,00



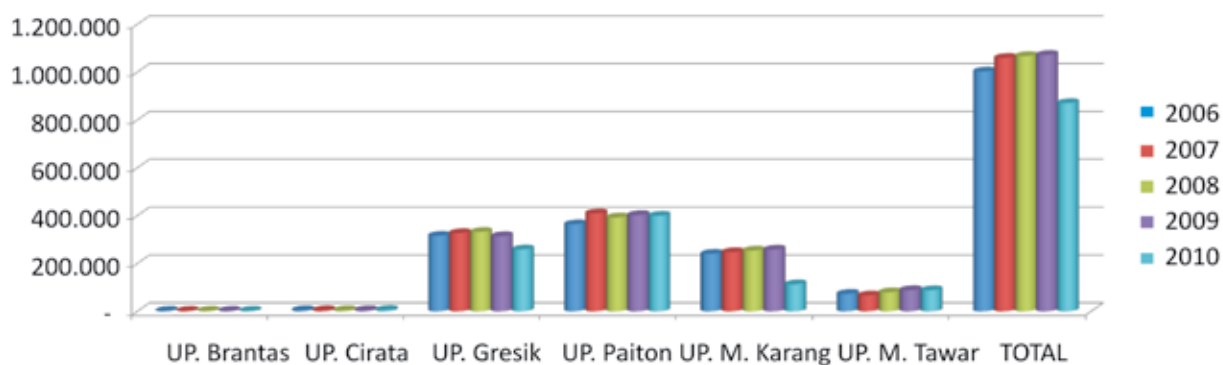
OPERASI PEMBANGKIT

Power Plant Operation

Pemakaian Sendiri Per Unit Pembangkit Own-Consumption Per Power Generating Unit

Grafik & Tabel 1.5
Graphic & table 1.5

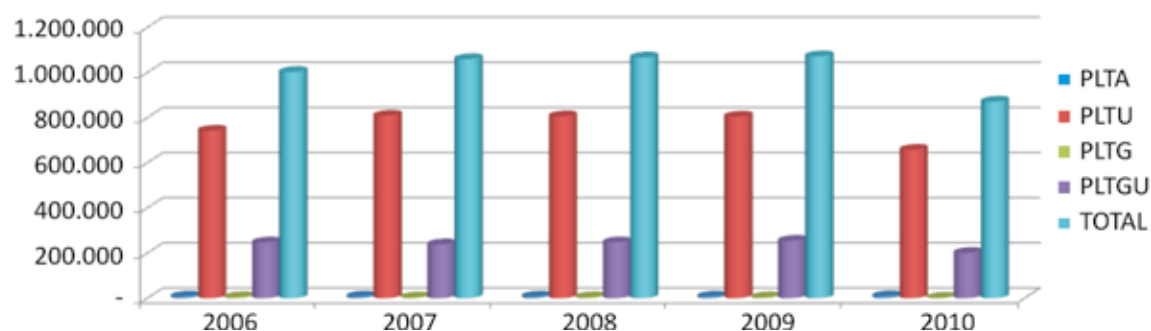
UNIT PEMBANGKIT <i>Power Generating Unit</i>	2006	2007	2008	2009	2010
	MWh	MWh	MWh	MWh	MWh
UP. Brantas	2.709	2.550	2.712	2.603	2.908
UP. Cirata	5.270	5.553	5.268	5.363	6.711
UP. Gresik	316.338	327.539	332.142	314.486	259.205
UP. Paiton	364.367	409.898	392.976	402.815	400.002
UP. M. Karang	240.955	247.438	254.328	258.162	113.394
UP. M. Tawar	73.502	66.976	79.928	89.031	88.968
TOTAL	1.003.139	1.059.954	1.067.354	1.072.461	871.188



Pemakaian Sendiri Per Jenis Pembangkit Own-Consumption Per Power Generating Type

Grafik & Tabel 1.6
Graphic & table 1.6

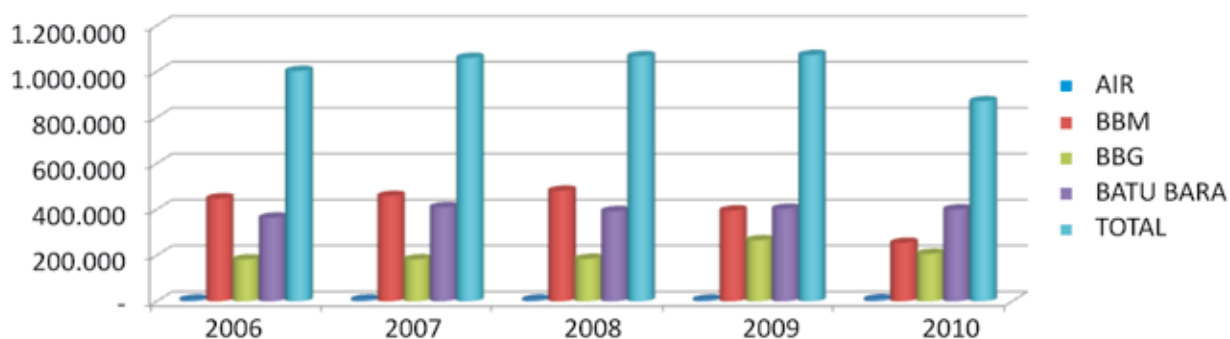
JENIS PEMBANGKIT <i>Power Generating Type</i>	2006	2007	2008	2009	2010
	MWh	MWh	MWh	MWh	MWh
PLTA	7.979	8.103	7.980	7.967	9.619
PLTU	742.759	809.298	806.685	805.287	658.287
PLTG	5.063	3.742	4.697	4.541	2.134
PLTGU	247.338	238.811	247.992	254.666	201.149
TOTAL	1.003.139	1.059.954	1.067.354	1.072.461	871.188



Pemakaian Sendiri Per Jenis Bahan Bakar
Own-Consumption Per Fuel Type

Grafik & Tabel 1.7
Graphic & table 1.7

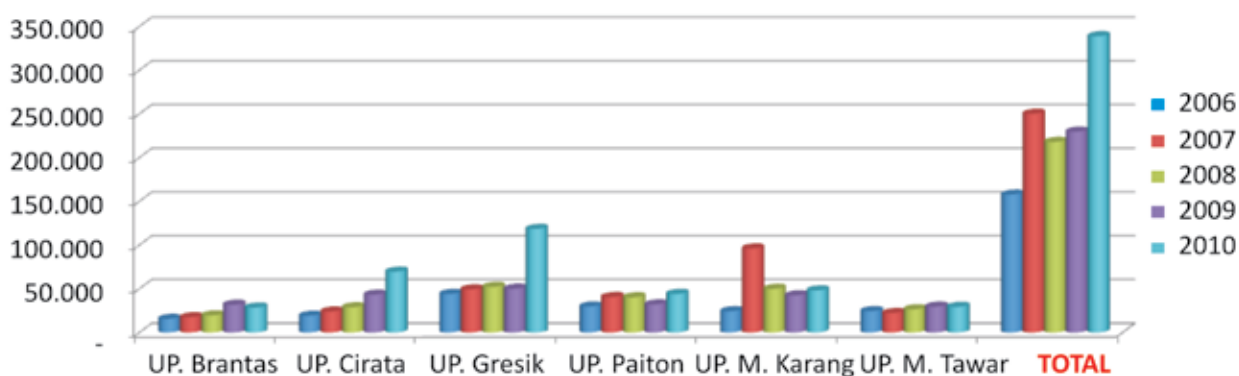
JENIS BAHAN BAKAR <i>Fuel Type</i>	2006 MWh	2007 MWh	2008 MWh	2009 MWh	2010 MWh
AIR	7.979	8.103	7.980	7.967	9.619
BBM	448.365	459.032	481.417	395.438	254.554
BBG	182.429	182.921	184.981	266.242	207.014
BATU BARA	364.367	409.898	392.976	402.815	400.002
TOTAL	1.003.139	1.059.954	1.067.354	1.072.461	871.188



Susut Trafo Per Unit Pembangkit
Voltage Regulator Losses Per Power Generating Unit

Grafik & Tabel 1.8
Graphic & table 1.8

UNIT PEMBANGKIT <i>Power Generating Unit</i>	2006 MWh	2007 MWh	2008 MWh	2009 MWh	2010 MWh
UP. Brantas	15.738	17.526	19.685	31.854	28.662
UP. Cirata	19.223	24.069	28.932	43.363	69.706
UP. Gresik	44.092	49.470	52.407	50.168	118.613
UP. Paiton	29.929	40.684	40.346	32.166	44.255
UP. M. Karang	24.347	96.181	50.017	42.573	48.235
UP. M.Tawar	24.501	22.325	26.643	29.677	29.519
TOTAL	157.829	250.256	218.031	229.800	338.990



OPERASI PEMBANGKIT

Power Plant Operation

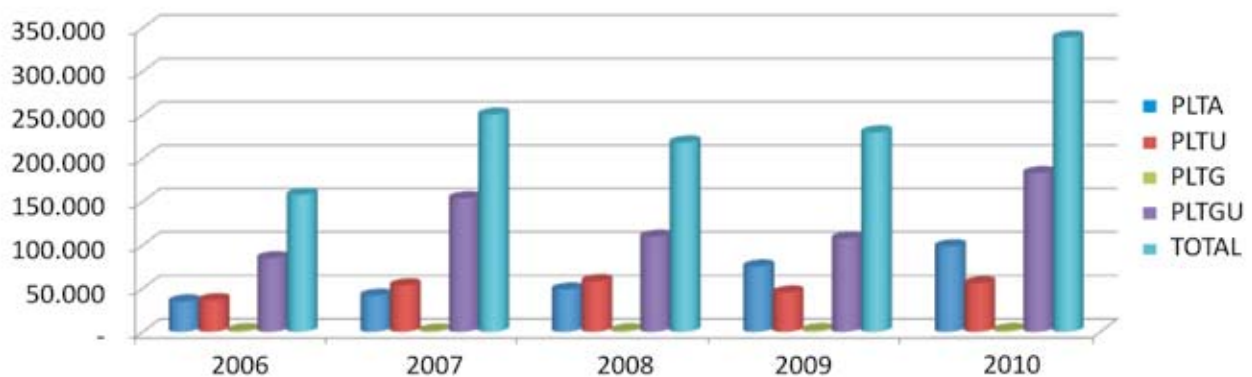
Susut Trafo Per Jenis Pembangkit

Voltage Regulator Losses Per Power Generating Type

Grafik & Tabel 1.9

Graphic & table 1.9

JENIS PEMBANGKIT Power Generating Type	2006 MWh	2007 MWh	2008 MWh	2009 MWh	2010 MWh
PLTA	34.960	41.596	48.618	75.216	98.368
PLTU	36.409	53.403	58.330	45.218	55.876
PLTG	1.747	1.431	1.614	1.904	1.977
PLTGU	84.713	153.826	109.469	107.462	182.769
TOTAL	157.829	250.256	218.031	229.800	338.990



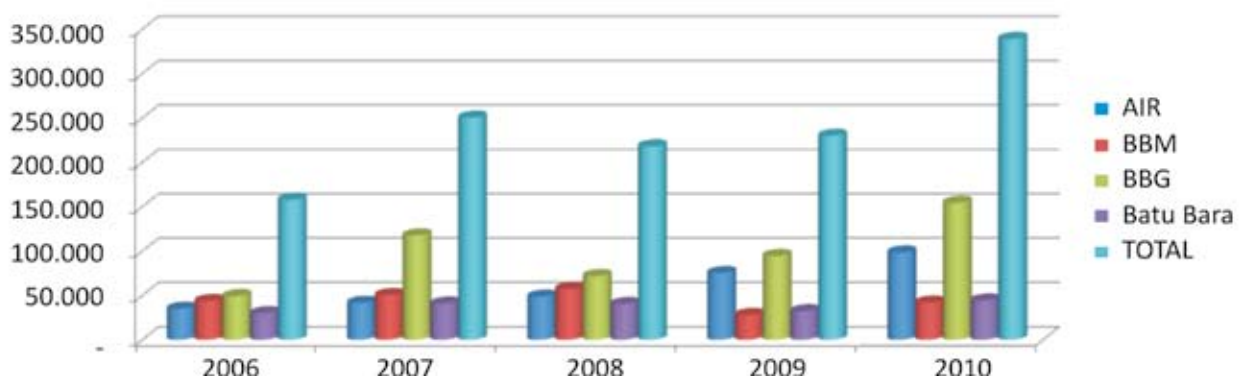
Susut Trafo Per Jenis Bahan Bakar

Voltage Regulator Losses Per Fuel Type

Grafik & Tabel 1.10

Graphic & table 1.10

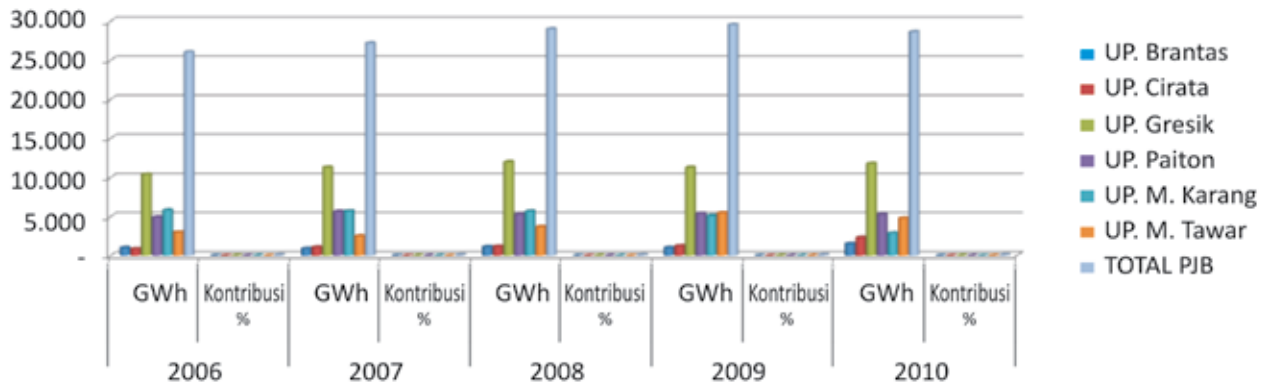
JENIS BAHAN BAKAR Fuel Type	2006 MWh	2007 MWh	2008 MWh	2009 MWh	2010 MWh
AIR	34.960	41.596	48.618	75.216	98.368
BBM	43.733	50.353	57.304	27.941	41.975
BBG	49.206	117.623	71.764	94.476	154.392
BATU BARA	29.929	40.684	40.346	32.166	44.255
TOTAL	157.829	250.256	218.031	229.800	338.990



Penjualan Per Unit Pembangkit
Sales Per Power Generating Unit

Grafik & Tabel 1.11
Graphic & table 1.11

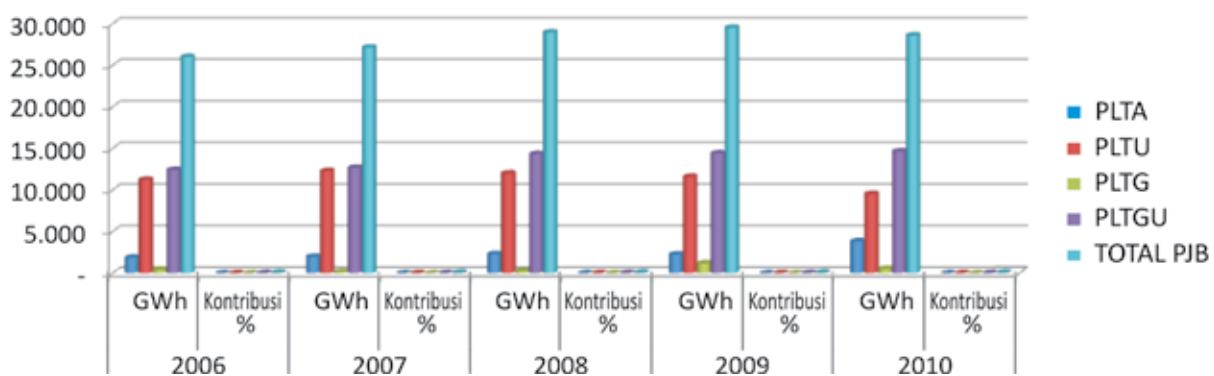
UNIT PEMBANGKIT Power Generating Unit	2006		2007		2008		2009		2010	
	GWh	Kontribusi % Contribution	GWh	Kontribusi % Contribution	GWh	Kontribusi % Contribution	GWh	Kontribusi % Contribution	GWh	Kontribusi % Contribution
UP. Brantas	1.026	3,94	909	3,34	1.137	3,92	1.032	3,49	1.541	5,38
UP. Cirata	870	3,34	1.080	3,97	1.182	4,08	1.242	4,20	2.323	8,11
UP. Gresik	10.388	39,89	11.302	41,58	11.983	41,32	11.290	38,21	11.787	41,17
UP. Paiton	4.938	18,96	5.654	20,80	5.307	18,30	5.375	18,19	5.304	18,53
UP. M. Karang	5.823	22,36	5.716	21,03	5.687	19,61	5.122	17,33	2.876	10,05
UP. M. Tawar	2.998	11,51	2.521	9,27	3.700	12,76	5.489	18,58	4.799	16,76
TOTAL PJB	26.044	100	27.181	100,00	28.997	100,00	29.550	100,00	28.631	100,00



Penjualan Per Jenis Pembangkit
Sales Per Power Generating Type

Grafik & Tabel 1.12
Graphic & table 1.12

JENIS PEMBANGKIT Power Generating Type	2006		2007		2008		2009		2010	
	GWh	Kontribusi % Contribution	GWh	Kontribusi % Contribution	GWh	Kontribusi % Contribution	GWh	Kontribusi % Contribution	GWh	Kontribusi % Contribution
PLTA	1.896	7,28	1.989	7,32	2.320	8,00	2.273	7,69	3.864	13,50
PLTU	11.267	43,26	12.318	45,32	12.023	41,46	11.627	39,35	9.550	33,35
PLTG	432	1,66	180	0,66	292	1,01	1.205	4,08	545	1,90
PLTGU	12.449	47,80	12.695	46,70	14.362	49,53	14.445	48,88	14.672	51,24
TOTAL PJB	26.044	100	27.181	100,00	28.997	100,00	29.550	100,00	28.631	100,00



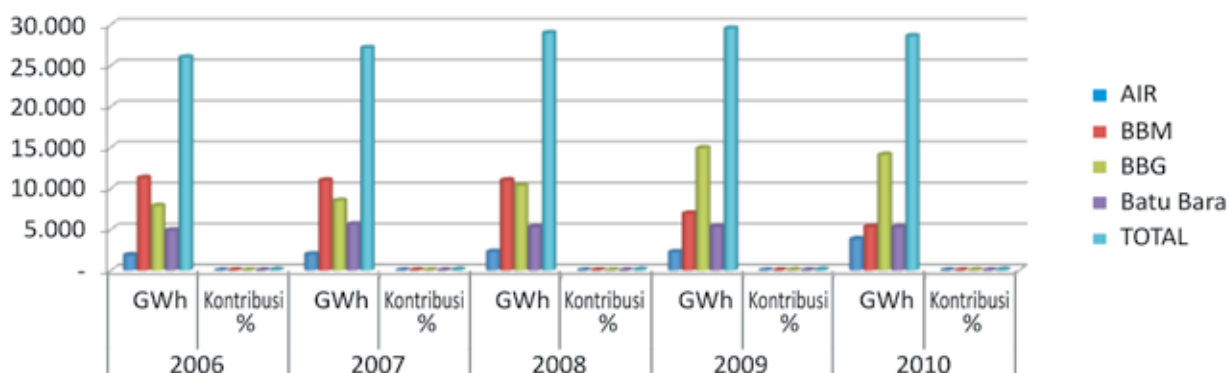
OPERASI PEMBANGKIT

Power Plant Operation

Penjualan Per Jenis Bahan Bakar
Sales Per Fuel Type

Grafik & Tabel 1.13
Graphic & table 1.13

JENIS BAHAN BAKAR Fuel Type	2006		2007		2008		2009		2010	
	GWh	Kontribusi % Contribution	GWh	Kontribusi % Contribution	GWh	Kontribusi % Contribution	GWh	Kontribusi % Contribution	GWh	Kontribusi % Contribution
AIR	1.896	7,28	1.989	7,32	2.320	8,00	2.273	7,69	3.864	13,50
BBM	11.303	43,40	10.988	40,42	11.015	37,99	6.986	23,64	5.344	18,66
BBG	7.916	30,39	8.551	31,46	10.358	35,72	14.922	50,50	14.125	49,33
BATU BARA	4.929	18,93	5.654	20,80	5.303	18,29	5.368	18,17	5.298	18,50
TOTAL	26.044	100	27.181	100,00	28.997	100,00	29.550	100,00	28.631	100,00



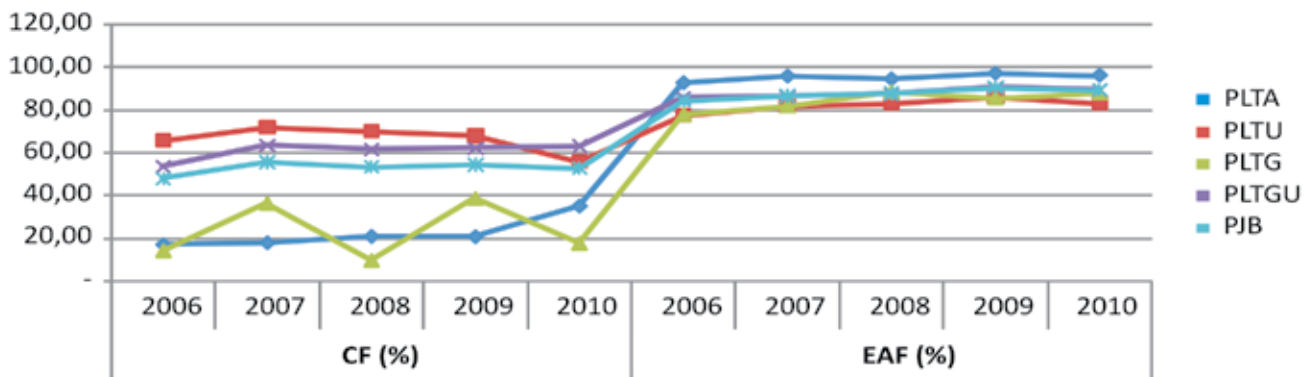
Faktor Operasional Keandalan Per Jenis Pembangkit

Operational Reliability Factor Per Power Generating Type

Grafik & Tabel 1.14

Graphic & table 1.14

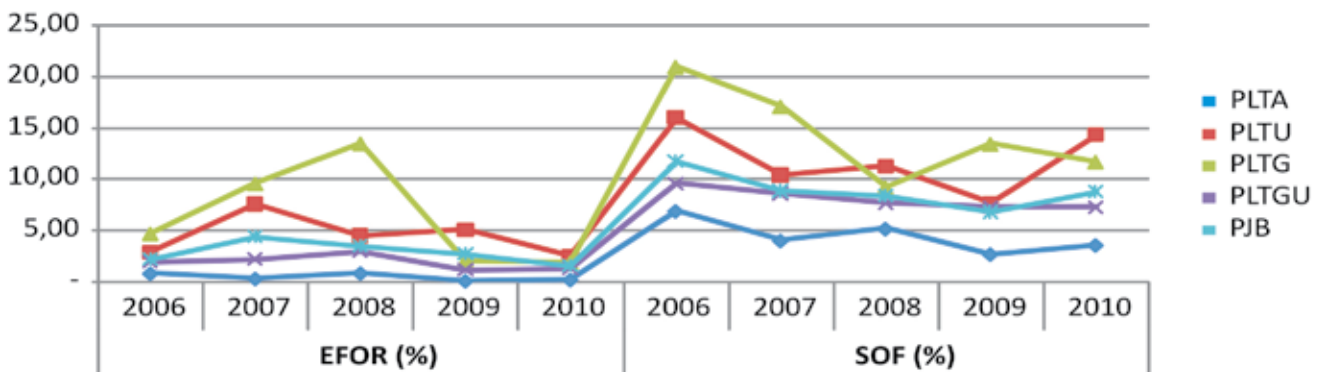
JENIS PEMBANGKIT Power Generating Type	CF (%)					EAF (%)				
	2006	2007	2008	2009	2010	2006	2007	2008	2009	2010
PLTA	17,17	18,05	20,99	20,86	35,18	92,86	95,95	94,62	97,34	96,39
PLTU	65,48	71,65	69,87	67,82	55,79	77,61	81,60	82,99	86,00	82,88
PLTG	13,90	36,16	9,42	38,42	17,41	77,72	81,90	88,53	85,60	87,86
PLTGU	53,50	63,35	61,44	61,98	63,02	85,75	86,45	87,53	90,71	89,67
PJB	47,95	55,51	53,23	54,38	52,60	84,21	86,45	87,68	90,36	89,06



Grafik & Tabel 1.15

Graphic & table 1.15

JENIS PEMBANGKIT Power Generating Type	EFOR (%)					SOF (%)				
	2006	2007	2008	2009	2010	2006	2007	2008	2009	2010
PLTA	0,75	0,24	0,77	0,02	0,13	6,90	3,98	5,15	2,65	3,55
PLTU	2,80	7,55	4,44	5,07	2,47	16,03	10,42	11,29	7,67	14,35
PLTG	4,63	9,55	13,47	2,00	1,83	20,98	17,09	9,18	13,42	11,67
PLTGU	1,89	2,23	2,93	1,15	1,31	9,62	8,65	7,73	7,27	7,28
PJB	2,18	4,34	3,48	2,65	1,52	11,71	8,81	8,38	6,76	8,77



OPERASI PEMBANGKIT

Power Plant Operation

Data Operasi PT PJB 2006-2007

Operation Data of PT PJB 2006-2007

Grafik & Tabel 1.16

Graphic & table 1.16

JENIS PEMBANGKIT Power Generating Type	2006					2007				
	Daya Terps (MW)	CF %	Produksi (GWh)	PS -Strfo (GWh)	Penjualan (GWh)	Daya Terps (MW)	CF %	Produksi (GWh)	PS -Strfo (GWh)	Penjualan (GWh)
PLTA	1.289	17,17	1.939	43	1.896	1.289	18,05	2.039	50	1.989
1 Brantas	281		1.045	18	1.026	281		929	20	909
2 Cirata	1.008		894	24	870	1.008		1.110	30	1.080
PLTU	2.100	65,48	12.046	779	11.267	2.100	71,65	13.181	863	12.318
1 PLTU Grk MFO	200		3.361	182	3.179	200		3.307	182	3.125
2 PLTU Grk NG	400		346	20	326	400		508	28	480
3 Paiton	800		5.332	394	4.938	800		6.104	451	5.654
- HSD	0		9	0	9	0		9	0	9
- BATUBARA	0		5.324	394	4.929	0		6.095	451	5.645
4 PLTU Mkr MFO	300		2.641	160	2.481	300		2.768	170	2.598
5 PLTU Mkr NG	400		366	23	343	400		493	32	461
PLTG	360	13,90	438	7	432	360	36,16	1.140	5	180
1 Gresik HSD	80		48	1	47	80		15	1	14
2 Gresik NG	0		0	0	0	0		0	0	0
3 M.Tawar	280		390	6	385	280		1.125	4	165
PLTGU	2.727	53,50	12.781	332	12.449	2.727	63,35	15.135	393	12.695
1 Gresik GT	1.012		5.429	74	5.355	1.012		8.081	90	5.943
- GT HSD	0		2.640	51	2.589	0		727	68	2.729
- GT NG	0		2.789	23	2.766	0		7.354	22	3.213
2 Gresik ST	567		1.565	83	1.481	567		1.816	76	1.740
3 Mkr GT HSD	0		0	0	0	0		0	0	0
4 Mkr GT NG	324		2.097	39	2.058	324		1.966	83	1.883
5 Mkr ST NG	185		984	43	941	185		832	59	773
6 M Tawar	640		2.706	92	2.614	640		2.440	85	2.356
Total PJB	6.476	47,95	27.205	1.161	26.044	6.476	55,51	31.495	1.310	27.181

Data Operasi PT PJB 2008-2009

Operation Data of PT PJB 2008-2009

Grafik & Tabel 1.17

Graphic & table 1.17

JENIS PEMBANGKIT Power Generating Type	2008					2009				
	Daya Terps (MW)	CF %	Produksi (GWh)	PS -Strfo (GWh)	Penjualan (GWh)	Daya Terps (MW)	CF %	Produksi (GWh)	PS -Strfo (GWh)	Penjualan (GWh)
PLTA	1.289	20,99	2.376	57	2.320	1.289	20,86	2.357	83	2.273
1 Brantas	281		1.160	22	1.137	281		1.066	34	1.032
2 Cirata	1.008		1.217	34	1.182	1.008		1.290	49	1.242
PLTU	2.100	69,87	12.888	865	12.023	2.100	67,82	12.477	851	11.627
1 PLTU Grk MFO	200		3.263	181	3.082	200		2.976	170	2.806
2 PLTU Grk NG	400		595	33	561	400		571	33	539
3 Paiton	800		5.740	433	5.307	800		5.810	435	5.375
- HSD	0		4	0	4	0		7	0	7
- BATUBARA	0		5.737	433	5.303	0		5.803	435	5.368
4 PLTU Mkr MFO	300		3.152	208	2.944	300		3.094	211	2.883
5 PLTU Mkr NG	400		139	9	129	400		26	2	24
PLTG	360	9,42	298	6	292	360	38,42	1.212	6	1.205
1 Gresik HSD	80		26	1	25	80		26	1	25
2 Gresik NG	0		0	0	0	0		0	0	0
3 M.Tawar	280		272	6	266	280		1.185	6	1.180
PLTGU	2.727	61,44	14.720	357	14.362	2.727	61,98	14.807	362	14.445
1 Gresik GT	1.012		5.974	74	5.900	1.012		5.517	42	5.474
- GT HSD	0		2.260	40	2.219	0		727	6	721
- GT NG	0		3.714	34	3.680	0		4.790	37	4.753
2 Gresik ST	567		2.510	96	2.414	567		2.564	118	2.446
3 Mkr GT HSD	0		399	5	394	0		512	20	492
4 Mkr GT NG	324		1.582	32	1.550	324		1.019	39	980
5 Mkr ST NG	185		720	49	670	185		773	30	743
6 M Tawar	640		3.535	101	3.434	640		4.422	113	4.309
Total PJB	6.476	53,23	30.282	1.285	28.997	6.477	54,38	30.852	1.302	29.550

Data Operasi PT PJB 2010
Operation Data of PT PJB 2010

Grafik & Tabel 1.18
Graphic & table 1.18

JENIS PEMBANGKIT
Power Generating Type

2010

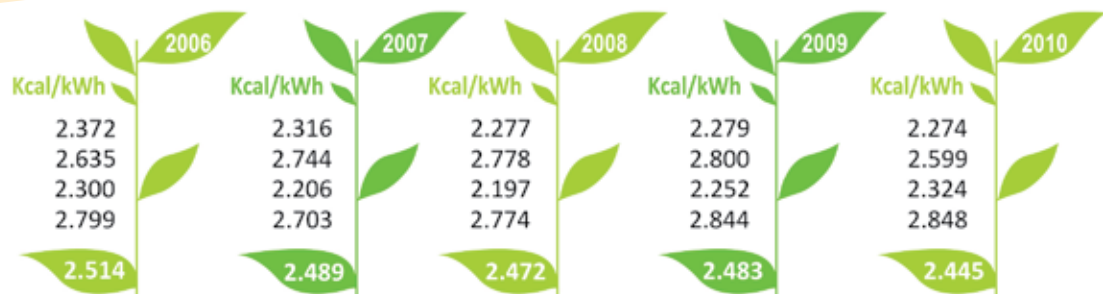
	Daya Terpasang (MW)	CF %	Produksi (GWh)	PS -Strfo (GWh)	Penjualan (GWh)
PLTA	1.289	35,18	3.972	108	3.864
1 Brantas	281		1.573	32	1.541
2 Cirata	1.008		2.399	76	2.323
PLTU	2.100	55,79	10.264	714	9.550
1 PLTU Grk MFO	200		2.979	172	2.806
2 PLTU Grk NG	400		521	30	491
3 Paiton	800		5.748	444	5.304
- HSD	0		6	0	6
- BATUBARA	0		5.742	444	5.298
4 PLTU Mkr MFO	300		883	59	824
5 PLTU Mkr NG	400		133	9	124
PLTG	360	17,41	549	4	545
1 Gresik HSD	80		16	1	15
2 Gresik NG	0		0	0	0
3 M.Tawar	280		533	4	530
PLTGU	2.727	63,02	15.056	384	14.672
1 Gresik GT	1.012		5.805	44	5.761
- GT HSD	0		463	9	453
- GT NG	0		5.342	34	5.308
2 Gresik ST	567		2.845	132	2.713
3 Mkr GT HSD	0		1.123	52	1.071
4 Mkr GT NG	324		397	12	385
5 Mkr ST NG	185		502	30	472
6 M Tawar	640		4.384	115	4.269
Total PJB	6.476	52,60	29.841	1.210	28.631

Net Plant Heat Rate Per Unit Pembangkit
Net Plant Heat Rate Per Power Generating Type

Grafik & Tabel 1.19
Graphic & table 1.19

UNIT PEMBANGKIT
Power Generating Type

GRESIK
MUARA KARANG
MUARA TAWAR
PAITON
TOTAL



OPERASI PEMBANGKIT

Power Plant Operation

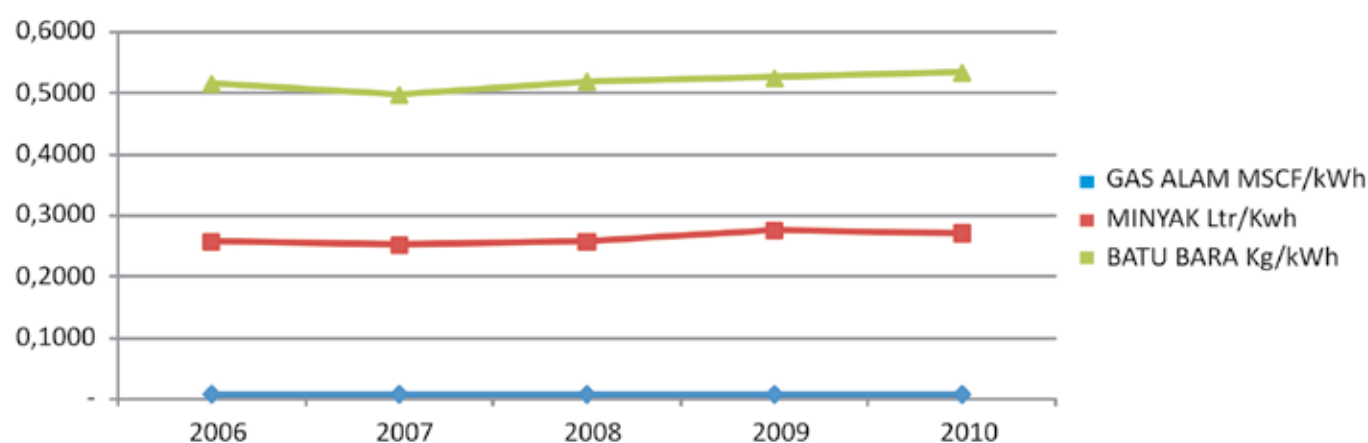
SFC PER JENIS BAHAN BAKAR

SFC Per Fuel Type

Grafik & Tabel 1.20

Graphic & table 1.20

JENIS BAHAN BAKAR Fuel Type	Satuan	2006	2007	2008	2009	2010
GAS ALAM	MSCF/kWh	0,0087	0,0087	0,0085	0,0084	0,0084
MINYAK	Ltr/Kwh	0,2582	0,2539	0,2583	0,2759	0,2721
BATU BARA	Kg/kWh	0,5171	0,4988	0,5205	0,5260	0,5350



PEMAKAIAN BAHAN BAKAR

Fuel Consumption

Grafik & Tabel 1.21

Graphic & table 1.21

JENIS BAHAN BAKAR Fuel Type	2006		2007		2008		2009		2010	
	Produksi production MWh	Pemk. B.Bkr fuel consumption (Ton,kL, MMBTU)	Produksi production MWh	Pemk. B.Bkr fuel consumption (Ton,kL, MMBTU)	Produksi production MWh	Pemk. B.Bkr fuel consumption (Ton,kL, MMBTU)	Produksi production MWh	Pemk. B.Bkr fuel consumption (Ton,kL, MMBTU)	Produksi production MWh	Pemk. B.Bkr fuel consumption (Ton,kL, MMBTU)
Batubara	5.323.635	2.752.759	6.095.275	3.040.419	5.736.766	2.986.258	5.802.766	3.052.438	5.742.308	3.072.305
BBM	11.794.910	3.045.725	11.506.047	2.921.821	11.553.913	2.984.930	7.409.603	2.044.055	5.640.148	1.534.547
- MFO *)	6.001.713	1.593.046	6.074.807	1.614.879	6.414.555	1.676.869	6.069.820	1.619.853	3.861.368	956.398
- HSD	5.793.197	1.452.679	5.431.240	1.306.942	5.139.358	1.308.061	1.339.783	424.201	1.778.781	578.148
GAS	8.147.230	71.160.078	8.851.702	76.864.852	10.615.001	89.710.449	15.283.090	128.575.549	14.486.362	121.602.616
- ARBNI+KDCO	4.699.709	40.721.416	5.559.868	46.489.747	6.818.792	56.994.987	7.925.367	66.276.916	8.707.731	72.999.284
- ARII	3.447.521	30.438.662	3.291.835	30.375.105	3.796.209	32.715.462	7.357.723	62.298.633	5.778.631	48.603.333
TOTAL	25.265.775		26.453.025		27.905.680		28.495.459		25.868.819	

*) Termasuk pemakaian IDO

SUMBER DAYA MANUSIA

Human Resources



Jumlah pegawai tahun 2010 sebanyak 2.349 orang dengan komposisi pendidikan terbanyak adalah SLTA 1.237 orang dan sarjana sebanyak 815 orang.

In 2010, PJB is supported by 2.349 employees, the most graduated is from Senior High School 1.237 employees, and bachelor Degree is around 815 employees.

SUMBER DAYA MANUSIA

Human Resources

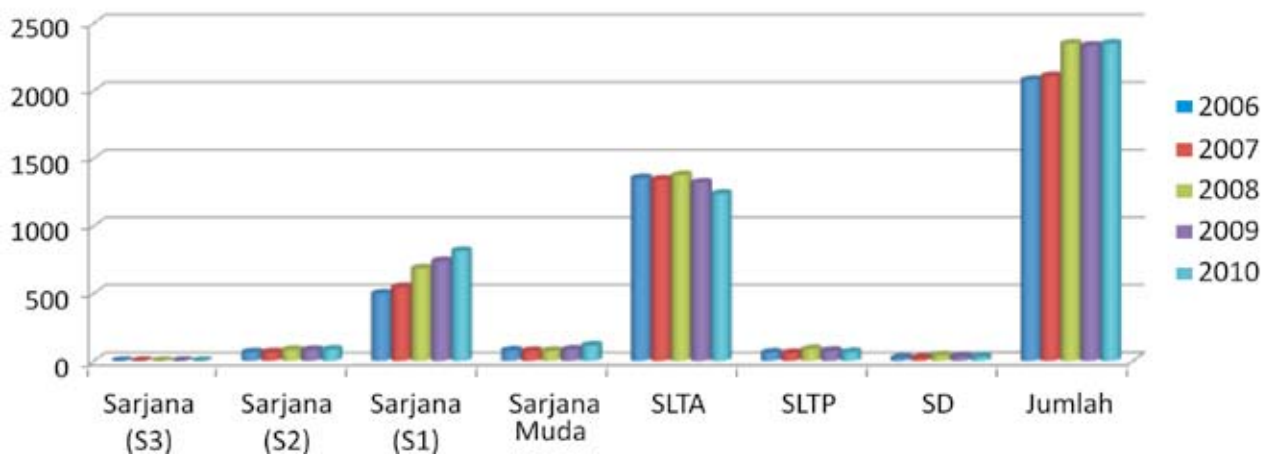
Jumlah Pegawai Berdasarkan Pendidikan

Total Employee on Education Level

Grafik & Tabel 2.1

Graphic & table 2.1

PENDIDIKAN Education	2006	2007	2008	2009	2010
Sarjana (S3)	1	1	1	1	1
Sarjana (S2)	64	64	83	82	85
Sarjana (S1)	499	548	686	738	815
Sarjana Muda	78	74	75	85	116
SLTA	1.354	1.343	1.374	1.321	1.237
SLTP	62	58	88	75	65
SD	22	21	42	31	30
JUMLAH	2.080	2.109	2.349	2.333	2.349

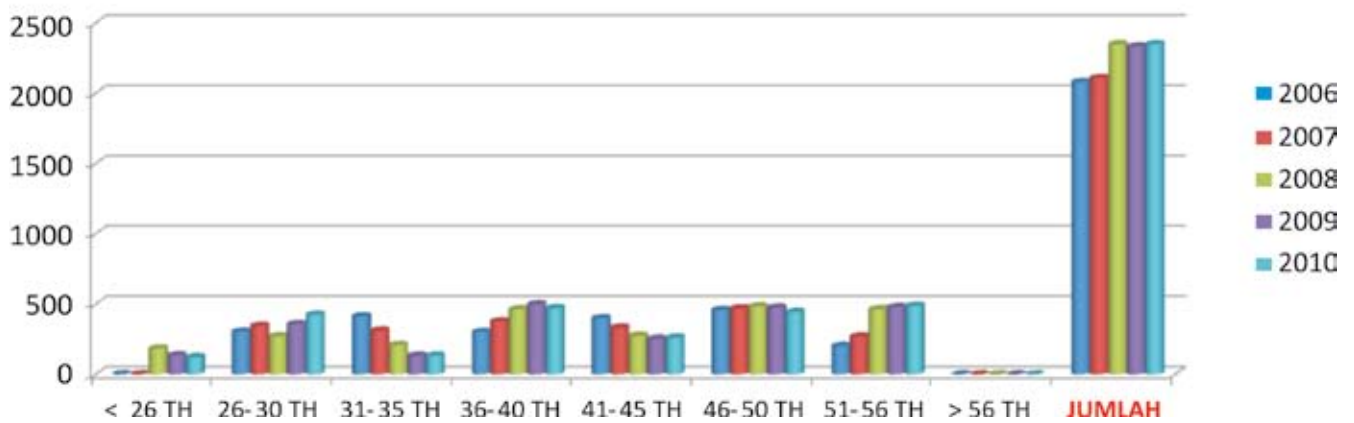
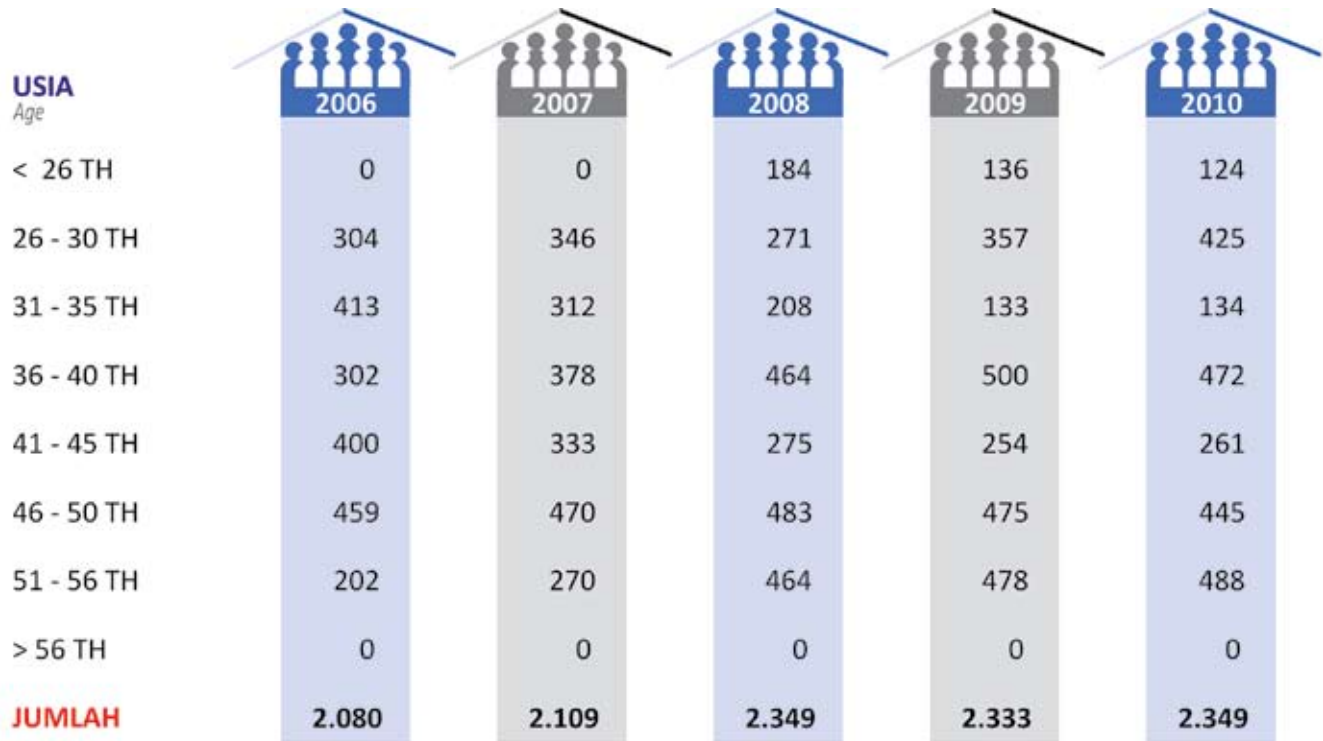


Jumlah Pegawai Berdasarkan Usia

Total Employee based on Age

Grafik & Tabel 2.2

Graphic & table 2.2



SUMBER DAYA MANUSIA

Human Resources

Jumlah Pegawai Berdasarkan Unit Satuan

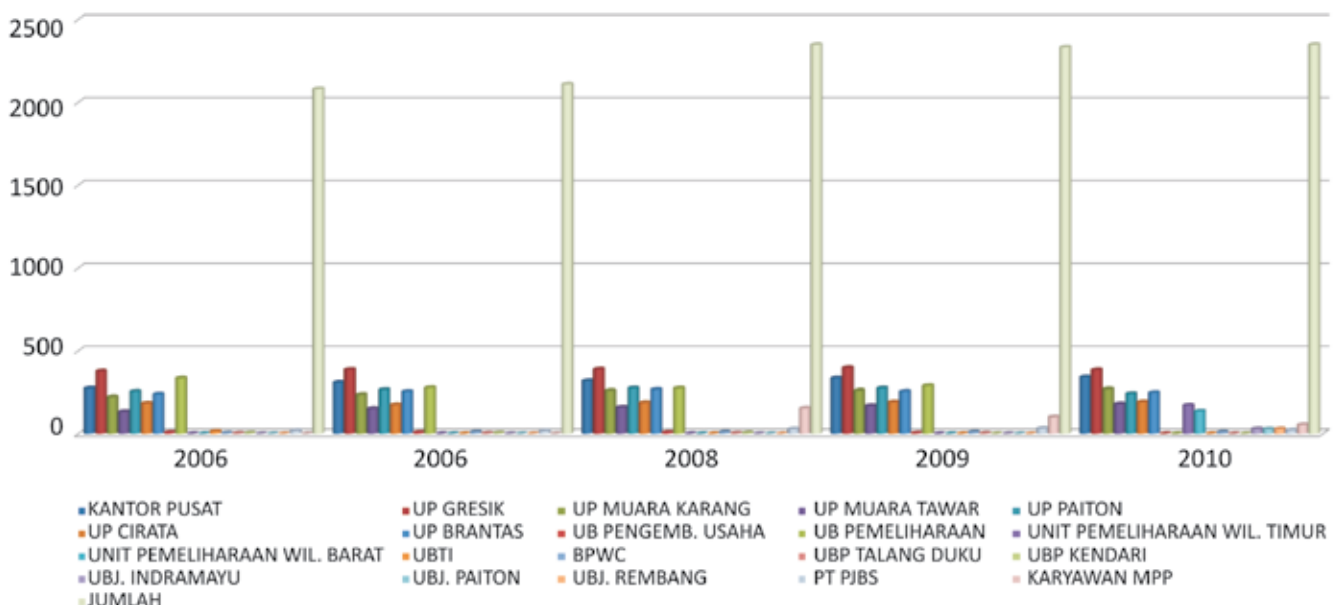
Total Employee on Based on Units

Grafik & Tabel 2.3

Graphic & table 2.3

UNIT SATUAN Units

	2006	2007	2008	2009	2010
KANTOR PUSAT	275	310	320	337	343
UP GRESIK	379	389	391	400	387
UP MUARA KARANG	223	237	261	262	271
UP MUARA TAWAR	133	152	160	169	180
UP PAITON	257	267	276	276	243
UP CIRATA	184	175	188	191	192
UP BRANTAS	240	256	268	257	249
UB PENGEMB. USAHA	8	8	8	4	0
UB PEMELIHARAAN	336	278	275	290	0
UNIT PEMELIHARAAN WIL. TIMUR	0	0	0	0	172
UNIT PEMELIHARAAN WIL. BARAT	0	0	0	0	136
UBTI	14	0	0	0	0
BPWC	4	11	10	10	10
UBP TALANG DUKU	3	3	3	3	0
UBP KENDARI	5	5	6	0	0
UBJ. INDRAMAYU	0	0	0	0	30
UBJ. PAITON	0	0	0	0	29
UBJ. REMBANG	0	0	0	0	30
PT PJBS	19	18	29	33	22
KARYAWAN MPP	0	0	154	101	55
JUMLAH	2.080	2.109	2.349	2.333	2.349





Memberi Hasil Terbaik Bagi Semua Pihak

Pendapatan operasi tahun 2010 turun Rp. 599,592 miliar dari tahun 2009, sementara biaya operasi juga turun Rp. 556,953 miliar dari tahun 2009, sehingga diperoleh laba bersih tahun 2010 sebesar Rp. 1.039,591 miliar.

In 2010, operation income has been decreased Rp. 599.592 billion comparing with 2009 while operation costs lower than 2009 with total amount is Rp. 556.953 billion, so that in 2010, PJB obtain the nett profit Rp. 1,039.591 billion.

KEUANGAN

Finance

PENDAPATAN OPERASI (Dalam Jutaan Rp)

Operational Income

Grafik & Tabel 3.1

Graphic & table 3.1

Rincian	2006 AUDITED	2007 AUDITED	2008 AUDITED	2009 AUDITED	2010 AUDITED
PENDAPATAN OPERASI					
1.1. Pendapatan Penjualan Tenaga Listrik	20.791.648	20.851.199	29.497.209	20.099.858	19.428.697
1.2. Pendapatan Biaya Penyambungan Yang Ditangguhkan	-	-	-	-	-
1.3. Pendapatan Jasa Operasi & Pemeliharaan	11.092	42.892	219.539	362.872	435.275
1.4. Pendapatan Lain-Lain (Operasi)	15.656	15.990	14.624	1.251	417
Jumlah Pendapatan Operasi	20.818.396	20.910.082	29.731.372	20.463.981	19.864.389

LABA (RUGI) OPERASI (Dalam Jutaan Rp)

Operational Profit (Loss)

Rincian	2006 AUDITED	2007 AUDITED	2008 AUDITED	2009 AUDITED	2010 AUDITED
Jumlah Pendapatan Operasi	20.818.396	20.910.082	29.731.372	20.463.981	19.864.389
BIAYA OPERASI					
2.1. Pembelian Tenaga Listrik	-	-	-	-	-
2.2. Bahan Bakar & Minyak Pelumas					
- B B M	13.717.035	13.345.650	21.593.069	9.350.329	8.491.906
- Pelumas & Kimia	16.774	15.777	21.170	19.396	16.683
- Air - (E & P - PAP)	45.561	47.535	71.941	81.193	177.230
- Gas Alam	1.692.165	1.800.973	2.845.154	5.030.662	4.499.336
- Batubara	775.912	903.439	1.284.091	1.853.896	1.605.558
Jumlah BBM	16.247.447	16.113.375	25.815.425	16.335.476	14.790.712
2.3. Pemeliharaan					
- Material	654.590	795.510	618.220	324.790	897.647
- Jasa	208.334	180.449	213.430	232.929	290.855
Jumlah Pemeliharaan	862.924	975.959	831.651	557.719	1.188.502
2.4. Biaya Kepegawaian	378.349	386.308	473.390	529.321	698.450
2.5. Biaya Operasi Lainnya (Administrasi)	139.452	132.618	336.601	529.988	739.321
2.6. Biaya Penyusutan	1.772.135	1.647.628	1.574.234	1.437.718	1.416.285
Jumlah Biaya Operasi	19.400.307	19.255.888	29.031.301	19.390.222	18.833.269
LABA / (RUGI) OPERASI	1.418.089	1.654.194	700.071	1.073.759	1.031.119

LABA (RUGI) SEBELUM PAJAK (Dalam Jutaan Rp)

Profit (Loss) Before Tax

Rincian	2006 AUDITED	2007 AUDITED	2008 AUDITED	2009 AUDITED	2010 AUDITED
LABA / (RUGI) OPERASI	1.418.089	1.654.194	700.071	1.073.759	1.031.119
PENDAPATAN/(BEBAN) LUAR OPERASI					
4.1. Pendapatan	826.658	248.335	(4.236)	697.651	502.369
4.2. Biaya	(18.251)	(38.034)	(217.732)	(244.494)	(62.396)
4.3. Beban Bunga	(29.594)	(19.725)	(18.634)	(10.404)	(15.501)
4.4. Pendapatan/(Bunga) Pajak Revaluasi	(487.068)	-	-	-	-
4.4. Pend/(Biaya) Selisih Kurs	(125.852)	86.359	318.929	(368.271)	(84.935)
Jumlah Pendapatan/(Biaya) Luar Operasi	165.893	276.935	78.327	74.483	339.537
LABA / (RUGI) SEBELUM PAJAK	1.583.982	1.931.129	778.397	1.148.242	1.370.657

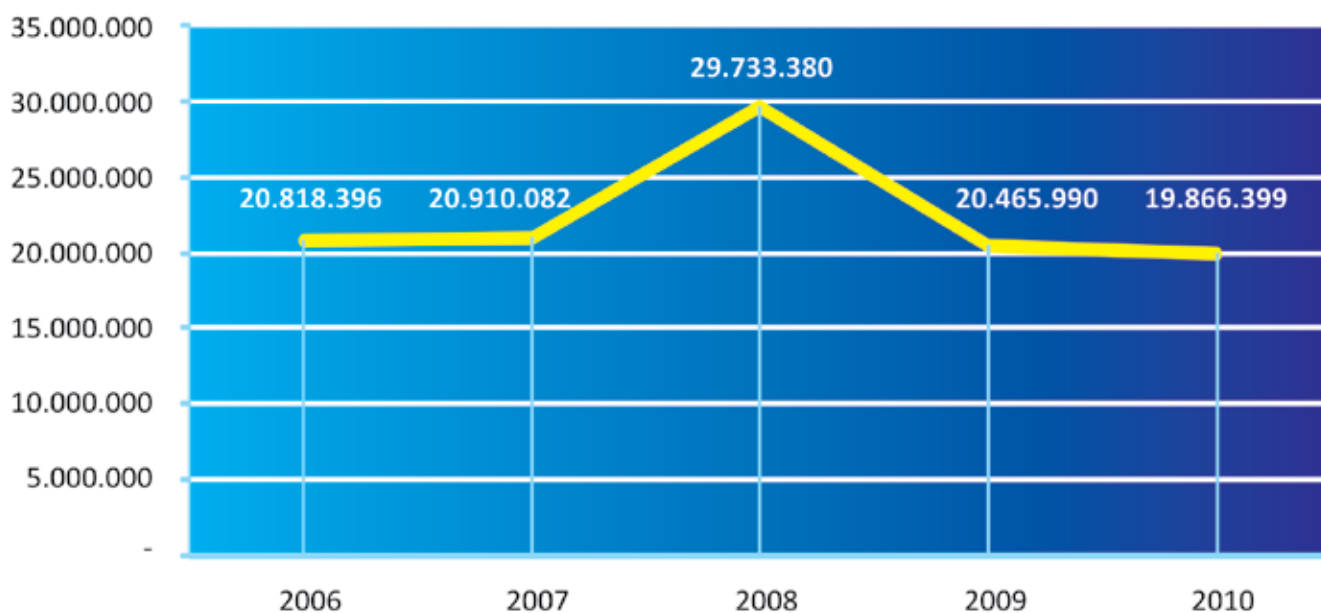
LABA (RUGI) SETELAH HAK MINORITAS ANAK PERUSAHAAN (Dalam Jutaan Rp)

Income After Minority Interest

Rincian	2006 AUDITED	2007 AUDITED	2008 AUDITED	2009 AUDITED	2010 AUDITED
LABA / (RUGI) SEBELUM PAJAK	1.583.982	1.931.129	778.397	1.148.242	1.370.657
PENGHASILAN/(BEBAN) PAJAK					
PENGHASILAN/(BEBAN) PAJAK TANGGUHAN	(488.355)	(155.786)	215.102	6.500	(123.483)
BEBAN PAJAK KINI ()	-	(393.990)	(278.481)	(232.932)	(259.559)
LABA (RUGI) SEBELUM HAK MINORITAS	1.095.627	1.381.353	715.018	921.809	987.615
LABA (RUGI) HAK MINORITAS ANAK PERUSAHAAN	(311)	(51)	2.970	(1.344)	(51.975)
LABA / (RUGI) SETELAH HAK MINORITAS AP	1.095.316	1.381.302	712.048	923.153	1.039.591

PENDAPATAN OPERASI (Dalam Jutaan Rp)

Operational Income

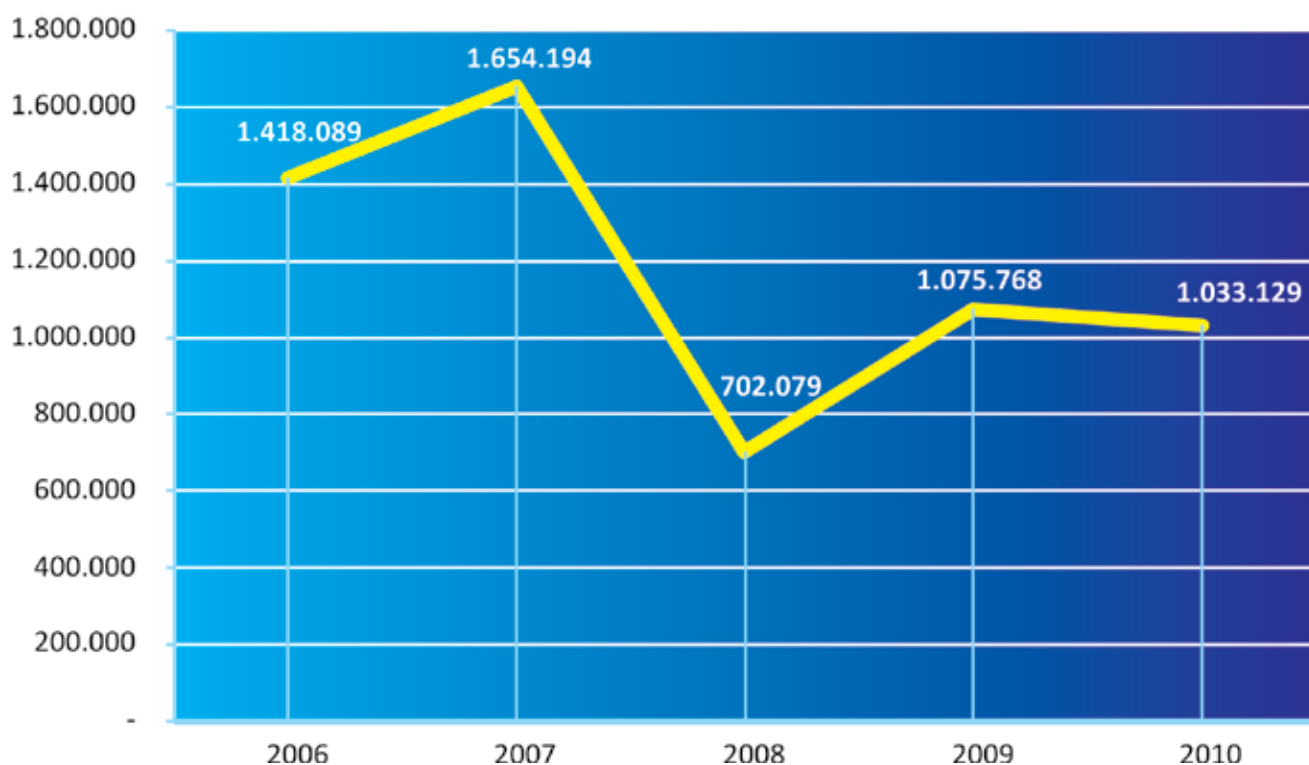


LABA (RUGI) OPERASI (Dalam Jutaan Rp)

Operational Profit (Loss)

Grafik & Tabel 3.3

Graphic & table 3.3

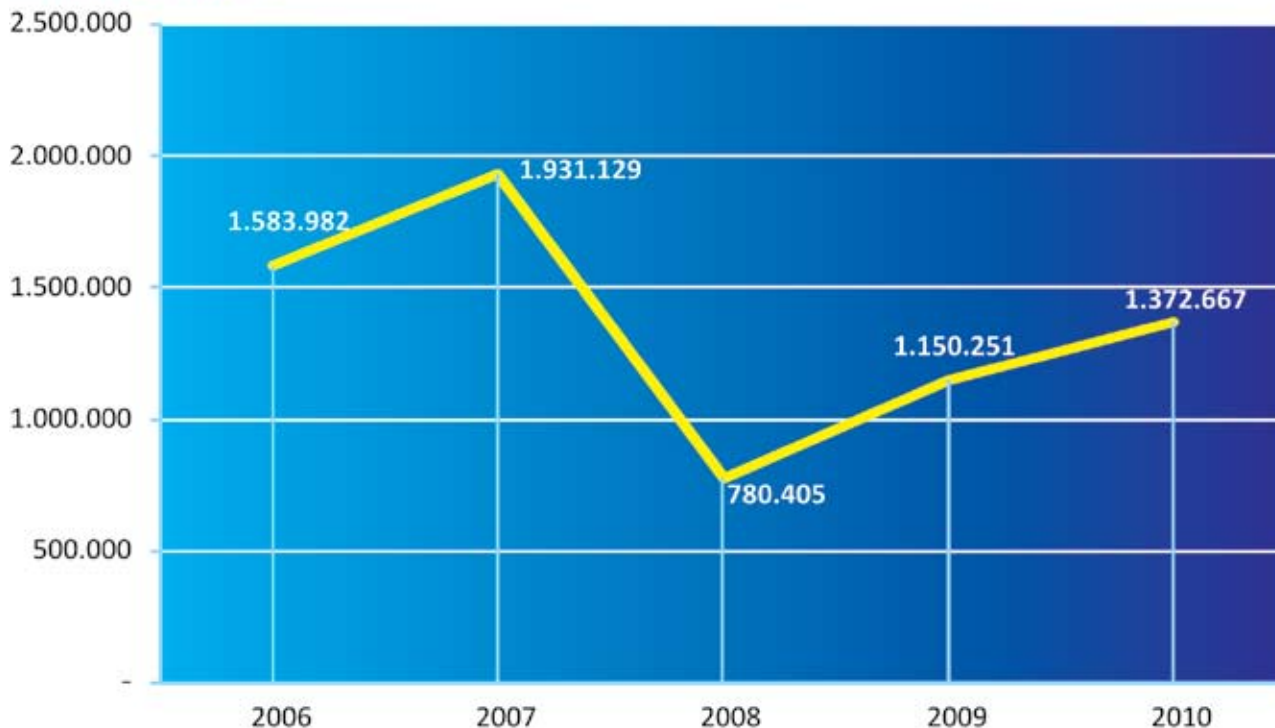


LABA (RUGI) SEBELUM PAJAK (Dalam Jutaan Rp)

Profit (Loss) Before Tax

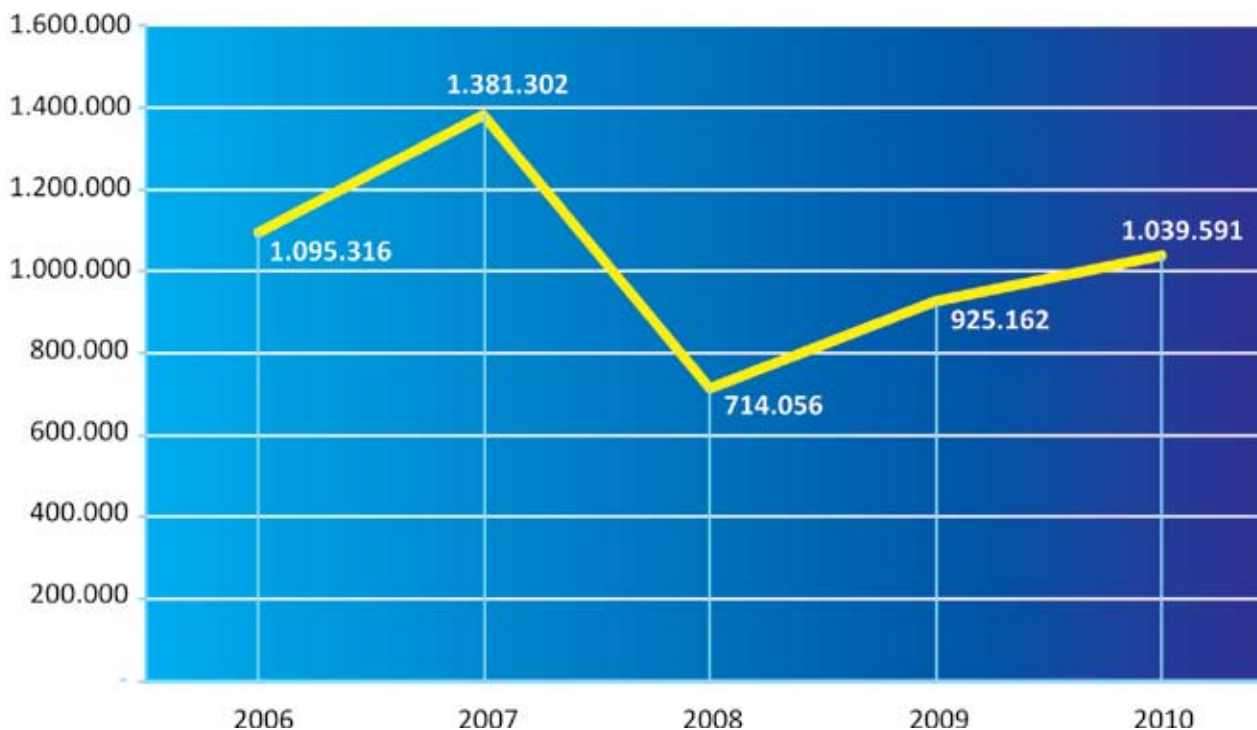
Grafik & Tabel 3.3

Graphic & table 3.3



LABA (RUGI) SETELAH HAK MINORITAS ANAK PERUSAHAAN (Dalam Jutaan Rp)

Income After Minority Interest



NERACA (Dalam Jutaan Rp)
Balance Sheet

Grafik & Tabel 3.4
Graphic & table 3.4

Rincian	2006 AUDITED	2007 AUDITED	2008 AUDITED	2009 AUDITED	2010 AUDITED
AKTIVA					
Aktiva Tetap					
Aktiva Tetap Operasi (Bruto)	37.016.728	37.001.059	36.873.470	36.717.649	35.691.007
Akumulasi Penyusutan	-10.593.639	-12.196.104	-13.715.166	-14.978.241	-15.358.501
Aktiva Tetap Operasi (Netto)	26.423.089	24.804.956	23.158.305	21.739.408	20.332.506
Pekerjaan Dalam Pelaksanaan	4.743	29.971	1.722	115.619	2.561
Aktiva Lainnya	614.834	740.050	1.731.491	1.494.578	432.736
Penyertaan	445.951	545.178	323.587	587.432	726.119
Aktiva Lancar					
Kas dan Bank	1.345.292	840.512	843.908	1.497.198	745.844
Investasi Sementara	930.876	1.972.801	1.226.060	1.125.620	110.000
Piutang Usaha	8.315.057	11.699.625	10.535.449	10.207.506	15.187.144
BBM & Material Pemeliharaan	945.544	1.302.824	2.025.670	2.164.620	1.699.810
Aktiva Lancar Lainnya	88.794	75.809	357.945	161.232	157.673
Jumlah Aktiva Lancar	11.625.563	15.891.571	14.989.032	15.156.176	17.900.471
JUMLAH AKTIVA	40.016.180	42.011.725	40.204.136	39.093.213	39.394.393
MODAL DAN KEWAJIBAN					
Modal					
Modal Ditempatkan dan Disetor	3.000.000	3.000.000	3.000.000	3.000.000	3.000.000
Tambahkan Modal Disetor	2.870.999	2.870.999	2.870.999	2.870.999	2.870.999
Selisih Revaluasi	26.408.107	26.408.107	26.408.107	0	0
Saldo Laba	2.295.806	2.800.856	2.407.862	29.098.279	29.214.717
Jumlah Modal	34.574.911	35.079.961	34.686.967	34.969.278	35.085.715
Hak Minoritas Aktiva Bersih	699	742	53.324	53.265	1.855
Kewajiban Pajak Tangguhan	1.324.033	1.479.867	1.264.844	1.258.367	1.381.948
Kewajiban Jangka Panjang					
Pinjaman Jangka Panjang	274.295	274.295	115.469	0	0
Kewajiban Jangka Panjang Pajak Final Revaluasi	0	0	0	0	0
Kewajiban Manfaat Pekerja	402.679	425.083	529.998	0	725.456
Kewajiban Jangka Panjang Lainnya		10.500	0	0	0
Jumlah Kewajiban Jangka Panjang	2.001.007	2.189.745	1.910.311	0	725.456
Kewajiban Jangka Pendek					
Hutang Pajak	90.419	318.247	173.815	121.057	136.832
Pinjaman Jangka Panjang Jt. Tempo	79.522	0	79.413	0	0
Bunga Yang Harus Dibayar	13.851	6.446	5.440	6.171	0
Hutang Usaha	3.226.454	4.364.639	3.259.797	2.037.112	1.886.673
Lainnya	29.317	51.944	35.068	647.962	175.914
Jumlah Kewajiban Jangka Pendek	3.439.563	4.741.277	3.553.533	2.812.302	2.199.419
JUMLAH MODAL & KEWAJIBAN	40.016.180	42.011.725	40.204.136	39.093.213	39.394.393

RUMUS - RUMUS

Formulas

$$\left\{ \begin{array}{l} \text{Faktor Kapasitas } \textit{Capacity Factor} \\ \text{Produksi (KWh)} \\ \text{CF} = \frac{\text{-----}}{\text{Daya Terpasang (KW) X Periode Tahunan (jam)}} \times 100\% \end{array} \right\}$$

$$\left\{ \begin{array}{l} \text{Faktor Kesiapan } \textit{Equivalent Availability Factor} \\ \text{[AH - (EUDH + ESDH + ESEDH)]} \\ \text{EAF} = \frac{\text{-----}}{\text{PH}} \times 100\% \end{array} \right\}$$

$$\left\{ \begin{array}{l} \text{Faktor Pemeliharaan } \textit{Schedule Outage Factor} \\ \text{MOH + POH} \\ \text{SOF} = \frac{\text{-----}}{\text{PH}} \times 100\% \end{array} \right\}$$

$$\left\{ \begin{array}{l} \text{Faktor Kesiapan } \textit{Equivalent Forced Outage Rate} \\ \text{FOH + EFDH} \\ \text{EFOR} = \frac{\text{-----}}{\text{FOH + SH + EFDHRS}} \times 100\% \end{array} \right\}$$

DAFTAR ISTILAH

Glossary

KW	: Kilowatt
MW	: Megawatt
KWh	: Kilowatt-hour
MWh	: Megawatt-hour
GWh	: Gigawatt-hour
HSD	: High Speed Diesel Oil
MFO	: Marine Fuel Oil
SFC	: Specific Fuel Consumption
CF	: Capacity Factor
EAF	: Equivalent Availability Factor
EFOR	: Equivalent Forced Outage Rate
SOF	: Schedule Outage Factor
AH	: Availability Hours
SH	: Service Hours
PH	: Periode Hours
MOH	: Maintenance Outage Hours
POH	: Planned Oytage Hours
FOH	: Forced Outage Hours
EUDH	: Equivalent Unplanned Derated Hours
ESDH	: Equivalent Schedule Derated Hours
ESEDH	: Equivalent Seasonal Derated Hours
EFDH	: Equivalent Forced Derated Hours
EFDHRS	: Equivalent Forced Derated Hours Reserve Shutdown
PLTA	: Pusat Listrik Tenaga Air
PLTU	: Pusat Listrik Tenaga Uap
PLTG	: Pusat Listrik Tenaga Gas
PLTGU	: Pusat Listrik Tenaga Gas Uap
MSCF	: 10 ³ Standart Cubic Feet (m=10 ³)
MMSCF	: 10 ⁶ Standart Cubic Feet (m=10 ⁶)
UP	: Unit Pembangkitan
UB	: Unit Bisnis

Equivalent Availability Factor

Merupakan Availability Factor yang terkoreksi dengan memperhitungkan lama (jam) derating.

Equivalent Forced Outage Rate

Merupakan Forced Outage Rate yang terkoreksi dengan memperhitungkan lama (jam) derating.

Schedule Outage Factor

adalah perbandingan rencana keluar sistem (jam) dengan periode (jam) dikalikan 100%

STRUKTUR ORGANISASI

Organization Structure

