

**KALORINDO
PRESTIGE REFERENCE LIST**

**I. SHELL & TUBE HEAT EXCHANGER
(Total Production : 203 Units)**

NO	KALORINDO PRODUCT	NUMBER OF UNIT	BUSINESS LINE	PERFORMANCE		YEAR
				Capacity (kcal/h)	Working Pressure (bar)	
A. HIGH PRESSURE HEATER (HPH)						
1	HPH Yugo Turbina	2	PLTG/U Keramasan	1.675.000	63	Sep-10
Sub Total A		2				
B. PREHEATER & EVAPORATOR						
1	Evaporator PLTP Binary Cycle	1	BPPT	172.000,00	3	Oct-10
2	Preheater PLTP Binary Cycle	1	BPPT	172.000,00	3	Oct-14
3	Evaporator PLTP Binary Cycle	1	ESDM	172.000,00	16	Dec-14
4	Preheater PLTP Binary Cycle	1	ESDM	172.000,00	16	Dec-14
Sub Total B		4				
C. CONDENSOR						
1	Condensor	1	BPPT	151.200,00	0,6	Nov-11
2	Condensor	1	ESDM	172.000,00	3	Dec-12
3	Retubing Condensor PLTU 100 MW	1	PLN Sektor Umbilin	120 MW	1	Jan-12
4	Retubing Condensor PLTU 100 MW	1	PLN Sektor Umbilin	120 MW	1	May-14
5	Tube Condensor	1	PLN Sektor Umbilin			May-14
6	Overhead Condensor HBG 3500 U-Stemp	1	CV. Enercon for PT. Chevron Indonesia			Sep-15
Sub Total C		6				
D. OIL COOLER & WATER COOLER						
1	Heat Exchanger	4	PLTA Jatiluhur, PJTII	149.812,00	15	Aug-03
2	Heat Exchanger Governoor	1	PLTA Jatiluhur, PJTII	17.500,00	15	Oct-03
3	HE Sistem Pendingin Ex unit II	2	PLTA Jatiluhur, PJTII	149.812,00	15	Jun-04
4	Fuel Oil Cooler	1	PT. Indocool Solusi Cemerlang	31.175,00	2,5	Aug-04
5	Thrust Bearing Cooler Turbin	1	PLTA Jatiluhur, PJT II	104.060,00	15	Sep-04
6	Heat Exchanger	4	PLTA Jatiluhur, PJTII	104.060,00	15	Sep-04
7	Oil Cooler	1	PLTD Kelapa Lima Merauke	117.300,00	6	Sep-04
8	Oil Cooler Man Ssangyong 6L28/32H	1	PLTD Sanggeng	117.300,00	6	Jan-05
9	Oil Cooler Man Ssangyong 6L28/32H	1	PLTD Ranting Nabire	117.300,00	6	Jan-05
10	Oil Cooler El 300 Caterpillar	1	PT. Delta Rekaprima Sakti		6	Apr-05
11	Oil Cooler Komatsu PC 200-6	1	PT. GSR		6	Apr-05
12	Oil Cooler PC 120	1	PT. GSR		6	Apr-05
13	Oil Cooler	1	TAC Pertamina Intermega Sabaku		6	May-05
14	Heat Exchanger Sistim Pendingin	2	Perum Jasa Tirta II	104.060,00	15	Sep-05
15	Lube Oil Cooler	10	PT. Indofood Sukses Makmur		6	Sep-05
16	Thrust Bearing Cooler Turbin	1	PLTA Jatiluhur, PJT II	104.060,00	15	Sep-05
17	Oil Cooler SWD 6TM410 RR	3	Pusat Listrik Kayu Merah Ternate	89.750,00	6	Jul-06
18	Radiator Oil Cooler SWD 6 TM 410 RR	3	Pusat Listrik Kayu Merah-MZU	302.500,00	2,5	Nop-06
19	Lube Oil Cooler SWD 6TM 410 RR	1	Pusat Listrik Kayu Merah	302.500,00	6	Nop-07
20	Oil Cooler Trafo Utama 35 MVA Double Tube	1	PJT II Jati Luhur	107.500,00	9	Dec-07
21	Thrust Bearing Cooler Turbin	2	PLTA Jatiluhur, PJT II	104.060,00	15	Dec-07
22	Oil Cooler PLTA M. Noor Riam Kanan Banjarmasin	2	PLTA Sektor Barito	175.220,00	6	Dec-07
23	HE Sistem Pendingin Ex unit II	4	PLTA Jatiluhur	287.500,00	3	Apr-08
24	Piping System Oil Cooler SWD	1	Pusat Listrik Kayu Merah	-	3	Jan-08
25	Oil Cooler PLTU Bukit Asam 65 MW	2	PLTU Bukit Asam	354.200,00	6	May-08
26	Oil Cooler PLTU Kramasan	1	PLTU Kramasan	302.720,00	6	May-08
27	Heat Exchanger PLTA PJT II Jatiluhur	4	PLTA Ir. H. Djuanda	287.500,00	3	Mar-09
28	HE Sistem Pendingin Ex unit II	2	PJT II Jati Luhur	325.000,00	6	Jun-09
29	Lube Oil Cooler Mesin SWD 6TM 410RR Unit 1 s/n 3538	1	Pusat Listrik Kayu Merah	467.840,00	6	Jan-10
30	Lube Oil Cooler Caterpillar 3606 sn. 8R800634	1	Pusat Listrik Tobelo	265.000,00	6	May-10
31	Heat Exchanger (HE) PLTU NTT	2	PT. Rekadaya Elekrika	112.500,00	6	May-10
32	Heat Exchanger (HE) PLTU Kepulauan Riau	2	PT. Rekadaya Elekrika	112.500,00	6	May-10
33	Heat Exchanger (HE) PLTU Maluku	2	PT. Rekadaya Elekrika	112.500,00	6	May-10
34	Oil Cooler Turbin Bearing	1	PLTA Saguling	385.000,00	6	Jun-10
35	Oil Cooler Lower Bearing	2	PLTA Saguling	435.000,00	6	Jun-10
36	Heat Exchanger PLTA PJT II Jatiluhur	2	PLTA Ir. H. Djuanda	287.500,00	3	Jun-10
37	Oil Cooler Detroit	1	PT. ELNUSA	275.000,00	6	Sep-10
38	Heat Exchanger PLTA PJT II Jatiluhur	2	PLTA Ir. H. Djuanda Jatiluhur	287.500,00	3	Okt-10
39	Lube Oil Cooler Mesin Sulzer 12ZV 40/48	1	PLTD Lueng Bata PLN NAD	1.161.000,00	6	Mar-11
40	Right Oil Cooler Mesin Mirrless 12KV Mayor sn. 6937-3	1	PLTD Seuneubok	1.277.100,00	3	May-11

41	Left Oil Cooler Mesin Mirrless 12KV Mayor sn. 6937-3	1	PLTD Seuneubok	1.277.100,00	3	May-11
42	Right Oil Cooler Mesin Mirrless 12KV Mayor sn. 852401	1	PLTD Suak	1.277.100,00	3	May-11
43	Left Oil Cooler Mesin Mirrless 12KV Mayor sn. 852401	1	PLTD Suak	1.277.100,00	3	May-11
44	Trust Bearing Cooler PJT II	1	PLTA Jatiluhur Purwakarta	104.060,00	6	Oct-11
45	Right Oil Cooler Mesin Mirrless 12KV Mayor sn. 851501	1	PLTD Suak – Aceh	1.277.100,00	3	Oct-11
46	Left Oil Cooler Mesin Mirrless 12KV Mayor sn. 851501	1	PLTD Suak – Aceh	1.277.100,00	3	Oct-11
47	Oil Cooler Mesin SWD 6TM 410RR sn. 50200	3	PLTD Seuneubok - Aceh	89.750,00	6	Dec-11
48	Oil Cooler Mesin MAK 8M 453AK sn. 26886	2	PLTD Seuneubok - Aceh	59.833,00	4	Dec-11
49	Oil Cooler Mesin SWD 6TM 410RR sn. 50400	3	PLTD Seuneubok - Aceh	89.750,00	6	Dec-11
50	Oil Cooler Mesin SWD 6TM 410RR sn. 50500	3	PLTD Pulo Pisang - Aceh	89.750,00	6	Dec-14
51	Lube Oil Cooler	1	PT. PERTAMINA TAC INTERMEGA SABAKU	302.500,00	6	Jun-12
52	Retubing Gland Cooler	2	PLTP Sibayak 2 x 5.65 MW	302.720,00	3	Oct-12
53	Oil Cooler	2	PLTA Tulungagung	287.500,00	3	Nov-12
54	Tube Bundle 31-E-103 dan 1 unit Tube Bundle 31-E-105	2	PT. Pertamina (Persero) RU VI Balongan			Jan-13
55	Tube Bundle 19-K-101-E4A	2	PT. Pertamina (Persero) RU VI Balongan			Jan-13
56	Heat Exchanger Sistem Pendingin	2	PLTA Ir. H. Djuanda	287.500,00	3	May-13
57	Heat Exchanger Governor	1	PLTA Jatiluhur Purwakarta			Apr-13
58	Tube Bundle 19-K-101-E4A	2	PT. Pertamina (Persero) RU VI Balongan			Apr-13
59	Heat Exchanger Sistem Pendingin	2	PLTA Ir. H. Djuanda	287.500,00	3	Oct-13
60	Heat Exchanger Sistem Pendingin	2	PLTA Ir. H. Djuanda	287.500,00	3	Jan-14
61	Oil Cooler Lower Thrust	1	PLTA Saguling	435.000,00	6	Nov-14
62	Heat Exchanger Sistem Pendingin	2	PLTA Ir. H. Djuanda	287.500,00		Jan-15
63	Heat Exchanger Governor Double Tube	1	PLTA Ir. H. Djuanda			Mar-15
64	Retubing Oil Cooler thrust Bearing Generator Cirata 1 No. 1&2	1	PLTA Cirata	435.000,00	6	Agu-15
65	Cooler Thrust Bearing unit I	1	PLTA Ir. H. Djuanda			Nov-15
66	Heat Exchanger Governor Double Tube	1	PLTA Ir. H. Djuanda			Mar-15
67	Tube Bundle Oil Cooler Tag. No. 56-P-101 A/B/C/D/E	5	PT. Pertamina (Persero) RU VI Balongan			Sep-15
68	Heat Exchanger Governoor	1	PLTA Jatiluhur, PJTII	17.500,00	15	Mar-16
69	Penggantian Oil Cooler Upper Bearing, Oil Cooler Turbin Bearing dan Oil Cooler Lower Bearing Pada MO Unit 4 PLTA Saguling	1	PLTA Saguling	385.000,00	6	Aug-16
70	Pembuatan HE Pendingin (Water to Water) & Radiator Generator	8	PLTA Jatiluhur, PJT II	104.060,00	15	Nov-16
71	Pembuatan Air Cooler type AK PLTA Djuanda	8	PLTA Jatiluhur, PJT II	104.060,00	15	Nov-16
	Sub Total D	142				

E. TRANSFORMER COOLER

1	Retubing Heat Exchanger Trafo 35 MVA	1	PLTA Jatiluhur, PJTII	107.500,00	15	Oct-03
2	Heat Exchanger Trafo 35 MVA	4	PLTA Jatiluhur, PJTII	107.500,00	15	Dec-03
3	Retubing Heat Exchanger Trafo 35 MVA	2	PLTA Jatiluhur, PJTII	107.500,00	15	Mar-04
4	P&P HE Trafo 35 MVA Ex Unit II &	2	PLTA Jatiluhur, PJT II	107.500,00	15	Jun-04
5	Fire Protection System for Trafo & Generator	1	Perum Jasa Tirta II		15	Nov-05
6	Heat Exchanger for 35 MVA Power Transformer	2	Perum Jasa Tirta II	107.500,00	15	Nov-05
7	Heat Exchanger for 35 MVA Power Transformer	2	Perum Jasa Tirta II	107.500,00	15	Dec-05
8	Double Tube Heat Exchanger for 35 MVA Power Transf.	1	Perum Jasa Tirta II	107.500,00	15	Feb-06
9	Heat Exchanger for 35 MVA Power Transformer	1	Perum Jasa Tirta II	107.500,00	15	Mar-06
10	Double Tube Heat Exchanger for 35 MVA Power Transf.	6	PLTA Jatiluhur	375.000,00	3	Apr-08
11	Trafo Cooler	1	UBP Tanjung Priok	115.000,00	6	Mei-09
12	Heat Exchanger Double Tube Utama 35 MVA	2	PLTA Jatiluhur	375.000,00	3	Jun-10
13	Heat Exchanger Double Tube Utama 35 MVA	2	PLTA Ir. H. Djuanda Jatiluhur	375.000,00	3	Oct-10
14	Heat Exchanger Sistem Pendingin	2	PLTA Ir. H. Djuanda Jatiluhur	247.250,00	3	Sep-11
15	Trust Bearing Cooler	1	PLTA Ir. H. Djuanda Jatiluhur	731.600,00	3	Sep-11
16	AHU Heater	6	PLTA Ir. H. Djuanda Jatiluhur	420.400,00	3	Dec-11
17	HE Sistem Pendingin	2	PLTA Ir. H. Djuanda Jatiluhur	247.250,00	3	Apr-12
18	HE Double Tube Trafo Utama	2	PLTA Ir. H. Djuanda Jatiluhur	375.000,00	3	Apr-12
19	Heat Exchanger Double Tubes	2	PLTA Ir. H. Djuanda Jatiluhur	375.000,00	3	Sep-12
20	Heat Exchanger Double TubeTrafo Utama	2	PLTA Ir. H. Djuanda Jatiluhur	375.000,00	3	Mar-13
21	Heat Exchanger Double TubeTrafo Utama	2	PLTA Ir. H. Djuanda Jatiluhur	375.000,00	3	Jan-14
22	Heat Exchanger Double TubeTrafo Utama	2	PLTA Ir. H. Djuanda Jatiluhur	375.000,00	3	Jan-15
23	Heat Exchanger Oven Burner	1	PT. Aprinus Coating Service			Mar-15
	Sub Total E	49				

Total Unit Shell & Tube (A+B+C+D+E) : 203

II. ORGANIC RANKINE CYCLE (ORC)

(Total Production : 8 Units)

NO	KALORINDO PRODUCT	NUMBER OF UNIT	BUSINESS LINE	PERFORMANCE		YEAR
				Capacity (kcal/h)	Working Pressure (bar)	
A. ORC Binary Cycle						
1	ORC Binary Cycle, Gunung Windu West Java Geothermal Power Plant	1	Agency of Development and Application Technology (BPPT), GOI	100 kW	15 bar	Dec-12
2	ORC Binary Cycle, Dieng Central Java Geothermal Power Plant	1	Reserch Group, Ministry of Energy and Mine Resources (ESDM), GOI	65 kW	15 bar	Dec-12
3	Shell and Tube Heat Exchanger	1	PT.Pertamina Geothermal Energi - Lahendong Geothermal Site	500 kW	15 bar	Feb-15
4	Hilirisasi Pembangkit Listrik Tenaga Surya Termal (PLTSt) Menggunakan Teknologi Konsentrator Dish Parabolic dan ORC (Organic Rankine Cycle)	1	RISTEK DIKTI	5 kW		Sep-15
5	Pengoperasian dan Maintenance PLTP Binary Cycle 500 KW	1	BPPT - Lahendong Geothermal Site	500 kW		Mar-15
6	Pengoperasian dan Maintenance PLTP Binary Cycle 500 KW Tahap II	1	BPPT - Lahendong Geothermal Site	500 kW		Nov-16
7	ORC LPDP	1	Unsoed	5 kW		Des-16
8	Hilirisasi Pembangkit Listrik Tenaga Surya Termal (PLTSt) Menggunakan Teknologi Konsentrator Dish Parabolic dan ORC (Organic Rankine Cycle)	1	RISTEK DIKTI	5 kW		Apr-16
Total ORC (A)		8				

III. WATER TREATMENT PLAN (WTP)

(Total Production : 5 Units)

NO	KALORINDO PRODUCT	NUMBER OF UNIT	BUSINESS LINE	PERFORMANCE		YEAR
				Capacity (kcal/h)	Working Pressure (bar)	
A. Water Treatment Plan						
1	Water Treatment Plan Softener-Reverse Osmosis (RO)	1	PLTD Ambea PT. PLN Area Bau-Bau	1-2m3/Jam	2 bar	Nov-13
2	Water Treatment Plan Softener-Reverse Osmosis (RO)	1	PLTD Tomia PT. PLN Area Bau-Bau	1-2m3/Jam	2 bar	Nov-13
3	Maintenance Peralatan Water Treatment for Cooling Water - Reverse Osmosis (RO)	1	PLTD Ereke PT. PLN Area Bau-Bau	200-1000 Liter/Jam	2 bar	Aug-14
4	Pengadaan/Pemasangan Reverse Osmosis Water Treatment Plant	1	PLTD Pidie PT. PLN Area Subulussalam	200-1000 Liter/Jam	2 bar	Nov-16
5	Pengadaan/Pemasangan Reverse Osmosis Water Treatment Plant	1	PLTD Seneubok PT. PLN Area Meulaboh	200-1000 Liter/Jam	2 bar	Nov-16
Total WTP (A)		5				

IV. COMPACT HEAT EXCHANGER

(Total Production : 2,476 Units)

NO	KALORINDO PRODUCT	NUMBER OF UNIT	BUSINESS LINE	PERFORMANCE		YEAR
				Capacity (kcal/h)	Working Pressure (bar)	
A. GAS COOLER						
1	Gas Cooler STG – I	1	TAC Pertamina – Sorong	172.000,00	104	Okt-03
	STG – II	1	TAC Pertamina – Sorong	182.500,00	173	Okt-03
	STG – III	1	TAC Pertamina – Sorong	200.000,00	242	Oct-03
	JWT	1	TAC Pertamina – Sorong	322.500,00	10	Oct-03
2	Gas Cooler STG – I	1	TAC Pertamina – Sorong	172.000,00	104	May-04
	STG – II	1	TAC Pertamina – Sorong	182.500,00	173	May-04
	STG – III	1	TAC Pertamina – Sorong	200.000,00	242	May-04
	JWT	1	TAC Pertamina – Sorong	322.500,00	10	May-04
3	Gas Cooler Stage I, Stage II, Stage III (repair)	1	PT. Unversal Compression Ind		104	Aug-05
4	Gas Cooler Stage I, Stage II, Stage III JW, IC	6	PT. Catur Khita Persada		63	Oct-06
5	Gas Cooler	1	Pertamina Ellipse	375	42	Jun-07
6	Provision of repair of gas and water cooler banks	1	Cicauh Karawang Ellipse Energi Jatirarangon	322.500,00	60	Jun-07
7	Gas Cooler Stasiun Pengumpul Pertamina Cilamaya	4	Pertamina	425	30	May-08
8	Gas Cooler 120MMCFD Cambai	1	PT. Indoturbine	2.450.000	60	Sep-09
9	Gas Cooler 50MM CFD	1	Stasiun Pengumpul Pasirjadi	2.200.000	61	Jan-10
10	Gas Cooler dan Jacket Water & intercooler	4	TAC Pertamina Intermega Sabaku	1.975.000	242	Sep-10

11	Gas Cooler Natuna	1	Reka Prima	875	42	Oct-11
12	Retubing Automazing Cooler	1	PLTG Keramasan			Jun-13
13	Gas Cooler Centaur SKG Cambai	2	Pertamina Gas SKG Cambai			Aug-13
14	Gas Filter	1	CV. Tunas Mekar Jaya			Aug-14
15	U Tube Bundle Automizing Cooler	1	PLTG Talang Duku			May-15
16	Gas Cooler Stage 2 & 3	2	PT. Pertamina - Selawati			Aug-15
17	Gas Cooler Centaur 40-1	2	PT. Witraco Perdana			Jan-16
	Sub Total A	37				
B. HYDROGEN COOLER						
1	Airfin Hydrogen Cooler PLTU Aishom	2	PLTU Bukit Asma	475	6	Jun-09
2	Generator Hydrogen Airfin Cooler	2	PLTU Bukit Asam	1.032.000	6	Jan-10
3	Retubing H2 Cooler Generator	4	PLTU Bukit Asam	3.354.000	9	Jun-10
4	Hydrogen Generator Cooler,PLTU 65MW	4	PLTU Bukit Asam PLN KITSBS	3.354.000	6	Dec-10
5	Buat Baru H2 Cooler	2	PLTU Bukit Asam	3.354.000	9	Jun-11
6	Retubing H2 Cooler Generator	4	PLTU Bukit Asam	3.354.000	9	Dec-11
7	Retubing Cooler H2 Generator (Rekondisi)	2	PLTU Bukit Asam	3.354.000	9	Dec-12
8	Retubing Hydrogen Cooler	2	PLTU Bukit Asam	3.354.000	9	Mar-13
9	Retubing Hydrogen Cooler	2	PLTU Bukit Asam	3.354.000	9	Okt-14
	Sub Total B	24				
C. CHARGE AIR COOLER						
1	Charge Air Cooler, Wartsila	1	PLTD Waena Jayapura	357.300,00	4	May-04
2	Charge Air Cooler Allen RR4016	1	PLTD Air Raja Tanjung Pinang	215	3	Nov-07
3	Charge Air Cooler	4	PLTD Merawang	375	3	Jul-08
4	Charge Air Cooler Mesin SWD 9TM 620C s/n 61800	1	PLTD Trisakti PLN WKSKT	2.175.000	3	Nov-08
5	After Cooler Caterpillar 3616	2	PLTD Merawang	135	4	Mar-09
6	Charge Air Cooler Mesin Pielstick 12PC2.5	1	PLTD Trisakti PLN WKSKT	515.000,00	3	Aug-09
7	Charge Air Cooler	1	PT. Trimanunggal Perkasindo	1.235.000	4	Jun-11
8	Charge Air Cooler	1	PT. Trimanunggal Perkasindo	412.000,00	4	Sept-11
9	Retubing & Chemical Cleaning CAC KM. Rimba Empat	1	PT. RIMBA SEGARA LINES	135	4	Jun-12
10	CAC Mesin MAN Ssanyong 6L 28/32H	6	Pusat Listrik Manokwari, Pusat Listrik Nabire, Pusat Listrik Merauke	2.175.000	3	Jul-12
11	Air Cooled Heat Exchanger	2	PT. Pertamina Gas Pangkalan Brandan			Feb-14
12	Air Cooled Heat Exchanger	3	PT. Pertamina Gas Rantau Panjang			Feb-14
13	Pengadaan Air Cooler Generator PLTA Saguling		PT Indonesia Power			Mei-17
	Sub Total C	24				
D. OIL COOLER						
1	Oil Cooler	1	Diesel Genset	117.300,00	2,5	Jul-04
2	Lube Oil MaK	1	PT. Dwi Sanggar Makasar	233.300,00	6,0	Agst-04
3	Oil Cooler Caterpillar 320 (GS)	1	PT. GSR		6	Jan-05
4	Oil Cooler	1	PT. GSR		6	Jan-05
5	Oil Cooler Hitachi 2500	1	PT.GSR		6	Mar-05
6	Oil Cooler Halla (GS)	1	PT. GSR		2,5	Mar-05
7	Oil Cooler SWD 6TM410 RR	3	Pusat Listrik Kayu Merah Ternate	89,75	6	Jul-06
8	Oil Cooler Pertamina Cilamaya	4	Stasiun Pengumpul gas PERTAMINA	375	9	Sep-07
9	Oil Cooler SWD 6TM410 RR	1	PLTD Seuneubok PLN NAD	302,5	6	Jan-08
10	Oil Cooler SWD 6TM410 RR	3	Pusat Listrik Kayu Merah	302,5	6	Jan-08
11	Oil Cooler SWD S/N 50200	3	PLTD Seuneubok PLN NAD	582,5	6	Mar-08
12	Oil Cooler Generator Unit 1&2	4	PLTA Batu Tegi	354,2	6	Okt-08
13	Oil Cooler SWD s/n 50400	3	PLTD Seuneubok PLN NAD	582,5	6	Des-08
14	Oil Cooler SWD 6TM 410RR s/n 50300	6	Pusat Listrik Kayu Merah	89,75	6	Apr-09
15	Oil Cooler Detroit 8V72	1	PT. ELNUSA	56,75	6	Mei-09
16	Oil Cooler SKG Bitung	1	Stasiun Pengumpulan gas PERTAMINA	310	6	Jul-09
17	Oil Cooler SKG Tegal Gede	1	Stasiun Pengumpulan gas PERTAMINA	310	6	Aug-09
18	Oil Cooler MaK 8M453AK	2	PLTD Suak Blang Pidie PLN NAD	375	6	Aug-09
19	Oil Cooler SWD 6TM410RR	2	PLTD Kayu Merah	345	3	Aug-09
20	Oil Cooler Pasir Jadi	2	Indo Turbine	125	6	Aug-09
21	Oil Cooler Niigata 8L40CX	1	PLTD Pilang	258	6	Mar-11
22	Oil Cooler Mesin Sulzer 12ZV40/48	1	PLTD Lueng Bata	526	6	Jun-11
23	Oil Cooler Mak 453C	4	PLTD Waena	211	6	Aug-11
24	Oil Cooler Mirrless 12KV Major	2	PLTD Suak	476	6	Sep-11
25	Oil Cooler Mirrless 12KV Major	2	PLTD Seunebok	476	6	Sep-11
26	Retubing Lube Oil Cooler Mull Pulvalizer	2	PT. Munggaran Teknik Utama	125	6	Aug-11
27	COOLER OLI E-6	10	PT. Indofood Bogasari	211	6	Sep-12
28	Lube Oil Cooler Saturn 1300	3	Chevron Indonesia Balikpapan		6	Dec-12
29	& Lube Oil Cooler Vertical	3	Chevron Indonesia Balikpapan		6	Dec-12

30	Oil Cooler Upper & Thrust Bearing	2	PLTA Selorejo	149,812	9	Jan-13
31	Oil Cooler Lower Bearing	2	PLTA Selorejo	149,812	9	Jan-13
32	Right Oil Cooler Mesin Mirrless 12kV Mayor sn. 6937-2	1	PLTD Cot Trueng	526	6	Jan-13
33	Left Oil Cooler Mesin Mirrless 12KV Mayor sn. 6937-2	1	PLTD Cot Trueng	526	6	Jan-13
34	Oil Cooler Mesin Niigata 8L 40CX s/n 54942	1	PLTD Pulo Pisang	582,5	6	Jan-13
35	Oil Cooler Upper Bearing	1	PLTA Saguling			Jul-14
36	Core Oil Cooler Lower/Thrust Bearing	2	PLTA Saguling			Jul-14
37	Oil Cooler Turbin Bearing	2	PLTA Saguling			Jul-14
38	Retubing Oil Cooler thrust Bearing Generator Cirata 1 No. 1&2	2	PLTA Cirata			May-15
	Sub Total D	84				
E. RADIATOR & FIN FAN COOLER						
1	Radiator IHI Pielstick 14 Pc 2.5	6	PLTD Batakan – Balikpapan	LT=1.530.000	3	Jul-03
2	Jacket Water (HT) dan Intercooler (LT)	6		HT=1.250.000	3	Jul-03
3	Radiator Mercy OM 355	1	PT. PLN (Persero) UPJKL	146.200,00	3	Aug-03
4	Service Radiator DRO 216 K	1	PT. PLN (Persero) UPJKL	89.621,00	3	Aug-03
5	Radiator ABC 8ED2C75	1	Pusat Listrik Goto Tidore	739.600,00	3	Dec-03
6	Radiator SWD	12	Pusat Listrik Kayu Merah	1.290.000,00	3	Dec-03
7	Radiator Daihatsu 6DL28	12	Pusat Listrik Langgur - Tual	LT=279,800	3	Dec-03
				HT=259,000	3	
				LO=108,800	6	
8	Radiator Daihatsu 6DL28	12	Pusat Listrik Masoni-Maluku	LT=279,800	3	Dec-03
				HT=259,000	3	
				LO=108,800	6	
9	Radiator Caterpillar D 3606	3	Pusat Listrik Masohi-Maluku	LT=366,360	3	Dec-03
				HT=276,920	3	
				LO=147,920	6	
10	Radiator Caterpillar D 3606	5	Pusat Listrik Tobelo Maluku	LT=366,360	3	Mar-04
				HT=276,920	3	
				LO=147,920	6	
11	Gas Turbin AEG Frame 5	1	PT. PLN (Persero) UPJKL	417.960,00	3	Mar-04
12	Radiator GMT A420.14	8	Pusat Listrik Poka-Ambon	1.290.000,00	3	Mar-04
13	Radiator Caterpillar D 3606	3	Pusat Listrik Langgur-Tual	LT=366,360	3	Mar-04
				HT=276,920	3	
				LO=147,920	6	
14	Radiator IHI Pielstick 14 Pc. 2.5 Unit #6	6	PLTD Batakan-Balikpapan	LT=1,530,000	3	Apr-04
				HT=1,250,000	3	
15	Radiator MAK 8M453 sn 26837	14	PLTD Klasaman-Sorong	1.290.000,00	3	May-04
16	Mesin MAN Ssangyong 6 L 28 / 32 E	1			3	May-04
17	Service Radiator DRO 216 K	3	PT. PLN (Persero) UPJKL	89.621,00	3	May-04
18	Mesin Wartsila 18V32 s/n 5606	1	PLTD Waena Jayapura		3	May-04
19	Radiator MAK 8M453 sn 26838	14	PLTD Klasaman Sorong	1.290.000,00	3	Jun-04
20	Radiator Mesin Deutz BF4M1012E	1	PLTD Sawal Biak	28.700,00	2,5	Jun-04
21	Radiator Cat D399	1	Dump Truck	287.500,00	1,5	Jun-04
22	Radiator Cat D3406	1	Dump Truck	33.250,00	1,5	Jun-04
23	Radiator GM77L	1	Dump Truck	22.500,00	1,5	Jun-04
24	Core Radiator 5 R	1	PT. Bhumi Phala Perkasa	5.918,00	2,5	Jun-04
25	Core Radiator 2 R	1	PT. Bhumi Phala Perkasa	7.959,00	1,5	Jun-04
26	Radiator Cat D399	1	Dump Truck	287.500,00	1,5	Jul-04
27	Radiator Cat D3408	1	Dump Truck	33.250,00	1,5	Jul-04
28	Radiator Cat D966	1	Dump Truck	33.250,00	1,5	Jul-04
29	Komatsu WA 600 -1	1		21.175,00	2,5	Jul-04
30	Gas Turbin Frame 5 Lampung	1	PLTG Tarahan, Lampung	417.960,00	2,5	Jul-04
31	Core Radiator 2 R	1	PT. Bhumi Phala Perkasa, BLKP	7.959,00	2	Jul-04
32	Core Radiator 3 R	1	PT. Bhumi Phala Perkasa, BLKP	2.959,00	1,2	Jul-04
33	Core Radiator Volvo NL-12	1	PT. Bhumi Phala Perkasa, BLKP	50.263,00	1,2	Jul-04
34	Radiator Daihatsu 6DL28	12	Mauwere NTT	LT=279,800	2,5	Jul-04
				HT=259,000	2,5	
				LO=108,800	2,5	
35	Radiator MAK 8M453 AK	14	PT. PLN Cabang Sorong	HT=739.600	2,5	Jul-04
				LT=173.200		

36	Radiator Deutz 6M816U	1	PLN Wilayah NTT	121.750,00	2,5	Aug-04
37	Radiator Mesin Doorman 250 kVa	1	PT. PLN (Persero) UPJKL	78.405,00	1,2	Aug-04
38	Radiator Nisan BTX	2	PT. Pandawa Lima Sakti		1,2	Aug-04
39	Radiator Nisan CKA	3	PT. Pandawa Lima Sakti		1,2	Aug-04
40	Radiator Fuso 8DC-9	1	PT. Pandawa Lima Sakti		1,2	Aug-04
41	Radiator Daewoo 450 LC-Y	1	PT. Pandawa Lima Sakti		1,2	Aug-04
42	Air Cooler	1	PT. Indocool Solusi Cemerlang	25.730,00	3,0	Aug-04
43	Core Radiator 3 R	1	PT. Bhumi Phala Perkasa, BLKP	2.959,00	1,2	Aug-04
44	Radiator 590 x 580 x 115 (2R)	1	PT. Bhumi Phala Perkasa, BLKP	16.662,00	2,5	Sep-04
45	Radiator 832 x 763 x 165 (2R)	1	PT. Bhumi Phala Perkasa, BLKP	32,879	2,5	Sep-04
46	Radiator 482 x 500 x 62 (2R)	1	PT. Bhumi Phala Perkasa, BLKP	22.868,00	2,5	Sep-04
47	Radiator GM12V71	1	PT. Bhumi Phala Perkasa, BLKP		2,5	Sep-04
48	Radiator Cummins KTA 38	1	PT. Bhumi Phala Perkasa, BLKP		2,5	Sep-04
49	Radiator 1197 x 490 x 150 mm	1	PT. Indocool Solusi Cemerlang		2,5	Sep-04
50	Heavy duty Rad. 990 x 940 x 180 (4R)	1	PT. Bhumi Phala Perkasa, BLKP	46,91	2,5	Sep-04
51	Heavy duty rad. 877 x 710 x 145 (4R)	1	PT. Bhumi Phala Perkasa, BLKP	37,9	2,5	Sep-04
52	Core 1292 x 215 x 145 (5R)	40	PT. Bhumi Phala Perkasa, BLKP	15.918,00	2,5	Sep-04
53	Element Isuzu CXZ 81	1	PT. Pandawa Lima Sakti		2,5	Sep-04
54	Element Radiator MaK	1	PT. Pandawa Lima Sakti		2,5	Sep-04
55	Element Volvo	1	PT. Pandawa Lima Sakti		2,5	Sep-04
56	Core 400 x 395 x 3R	20	PT. Pandawa Lima Sakti		2,5	Sep-04
57	Caterpillar 977	1	PT. Pandawa Lima Sakti		2,5	Sep-04
58	Radiator MaK 8M453	14	PT. Arti Duta Aneka Usaha	LT=173.720 HT=739.601	2,5	Sep-04
59	Radiator GMT A 420 PLTD Batakan	2	PT. PLN (Persero) Wil. Kaltim	HT=1.660.000 LT=700.000	2,5 2,5	Nov-04
60	Radiator Oil Cooler	1	PT. PLN (Persero) Wil. Papua	117.300,00	6	Nov-04
61	Radiator Oil Cooler	1	PT. PLN (Persero) Wil. Kaltim		6	Nov-04
62	Radiator Mesin Doorman 250 kVa	1	PT. PLN (Persero) UPJKL	78.405,00	2,5	Nov-04
63	Sulzer 12 ZV 48/40	1	PT. PLN (Persero) Wil. Kaltim	HT=3.298.100	2,5	Nov-04
64	Mirrlees ESL 8MK2	8	PT. PLN (Persero) Wil. Kaltim	HT=397.320	2,5	Nop-04
65	Mesin MAN Ssangyong 6 L 28 / 32 E	1			2,5	Nop-04
66	MaK 8m 453-C	4	PT. PLN (Persero) Wil. Kaltim	1.485.220	2,5	Nop-04
67	Radiator Doorman dan Oil Cooler Doorman	1	UPJKL	78.405,00	2,5	Dec-04
68	MaK 8m 453-C	1	PLTD Sie Wie Singkawang	1.485.220	3,0	Dec-04
69	Radiator MaK 8M453	12	PT. Arti Duta Aneka Usaha	LT=173.720	2,5	Dec-04
70	Radiator Man Ssangyong 6L28/32H	1	PLTD Sanggeng	HT=215.920 LT=233.165	2,5	Jan-05
71	Radiator Assy Daewoo LCJ	1	PT. GSR		2,5	Jan-05
72	Radiator Genset Nass 800 kVa (GS)	1	PT. GSR		2,5	Jan-05
73	Radiator Caterpillar 3512	3	PT. GSR		2,5	Jan-05
74	Radiator MaK 8M 453 AK	1	PT. Dwi Sanggar Nusantara	LT=173.200 HT=739.600	3	Jan-05
75	Lube Oil MaK	4	PT. Dwi Sanggar Makasar	233,3	6,0	Jan-05
76	Radiator 910 x 874 x 107	1	PT. Bhumi Phala Perkasa	101,921	2,5	Jan-05
77	Radiator Caterpillar D5B	1	PT. GSR		2,5	Feb-05
78	Air Compressore After Cooler	1	PT. Indocool Solusi Cemerlang		12	Feb-05
79	Daihatsu 6DL28	12	PLTD Tanah Grogot		2,5	Feb-05
80	Radiator MWM	3	PT. GSR		2,5	Feb-05
81	Komatsu D85 ESS	1	PT. GSR		2,5	Feb-05
82	Core radiator 880 x 685 x 85 (3R)	1	PT. Bhumi Phala Perkasa	17,766	2,5	Feb-05
83	Core radiator 445 x 380 x 85 (4R)	1	PT. Bhumi Phala Perkasa		2,5	Feb-05
84	Radiator Mercy 444 A	1	PT. GSR		2,5	Feb-05
85	Radiator Turbin Gas	1	PLTG Tarahan Lampung		2,5	Feb-05
86	Radiator Cooling Coil	1	PT. Indocool Solusi Cemerlang		2,5	Feb-05
87	Radiator Caterpillar D5B	1	PT. GSR		2,5	Feb-05
88	Radiator dan Oil Cooler	1	PT. GSR		6	Mar-05
89	Radiator Assy 6 R	1	PT. GSR		2,5	Mar-05
90	Radiator 994 x 968 x 104 (3R)	1	PT. GSR		2,5	Mar-05
91	Radiator Caterpillar 3512	9	PT. GSR		2,5	Mar-05
92	Radiator Ford 660+OC	10	PT. GSR		2,5	Mar-05
93	Radiator Caterpillar 3412	1	PT. GSR		2,5	Mar-05
94	Radiator Isuzu CXZ 81	5	PT. GSR		2,5	Mar-05
95	Radiator Assy MWM 100 kVA	2	PT. GSR		2,5	Mar-05

96	Core radiator 536 x 455 x 98 (3R)	1	PT. Bhumi Phala Perkasa		2,5	Apr-05
97	Radiator Hino 4R	1	PT. GSR		2,5	Apr-05
98	After Cooler	1	PT. GSR		2,5	Apr-05
99	After Cooler (GS)	1	PT. GSR		2,5	Apr-05
100	Caterpillar 3412	1	PT. GSR		2,5	Apr-05
101	Hitachi 3 R	1	PT. GSR		2,5	Apr-05
102	Radiator Assy Caterpillar 320 7Y 1961	3	PT. GSR		2,5	Apr-05
103	Radiator Komatsu D85 ESS	1	PT. GSR		2,5	Apr-05
104	Radiator Daihatsu 6DL28	4	PLTD Kelapa Lima - Merauke		2,5	Apr-05
105	Radiator Assy MF3654	3	PT.GSR		2,5	May-05
106	Heavy duty radiator 1166x964x185 mm (4R)	1	PT. Bhumi Phala Perkasa		2,5	May-05
107	Radiator Assy Isuzu CXZ 81	1	PT. GSR		2,5	May-05
108	Radiator Assy Daewoo LC-Y	1	PT. GSR		2,5	May-05
109	Radiator Dimensi 740x662x56 (2R)	1	PT. Bhumi Phala Perkasa		2,5	May-05
110	Radiator Dimensi 357 x 360 x 67 mm (3R)	1	PT. Bhumi Phala Perkasa		2,5	May-05
111	Radiator Mirrlees ESL 8MK 2 Jacket Water	4	PLTD Petung Cabang Balikpapan	HT=397.320	2,5	May-05
112	Radiator Mirrlees ESL 8MK 2 Intercooler	4	PLTD Petung Cabang Balikpapan	LT=329.380	2,5	May-05
113	Radiator Daihatsu 6DL 28 Jacket Water	4	PLTD Tanah Grogot - Balikpapan	HT=259.100	2,5	Jun-05
114	Radiator Daihatsu 6DL28 Intercooler	8	PLTD Tanah Grogot - Balikpapan	LT=279.800	2,5	Jun-05
115	Radiator Daihatsu 6DL 28	6	PLTD Masohi – Wilayah Maluku		2,5	Jul-05
116	Radiator Daihatsu 6DL 28	6	PLTD Masohi – Wilayah Maluku		2,5	Jul-05
117	Radiator Deutz BA 12M816W	1	PLTD Selat Panjang		2,5	Aug-05
118	Jacket Water dan Intercooler (repair)	1	PT. Unversal Compression Ind		2,5	Aug-05
119	Mirrlees MK2 K8 Major	1	PLTD Selat Panjang		2,5	Aug-05
120	Air Cooler	12	PT. Indofood Sukses Makmur		2,5	Sep-05
121	Jacket Water dan Valve Cooler	10	PT. Indofood Sukses Makmur		2,5	Sep-05
122	Air Cooler PLTG Altshom Unit 3	1	PLTG Pauh Limo		2,5	Sep-05
123	Radiator MAK 8M453 AK sn 26834	14	PLTD Karang Mulia-Biak	1.290.000,00	2,5	Oct-05
124	Radiator SWD 6FHD 240G	6	Pusat Listrik Kairatu-Ambon	912,8	2,5	Oct-05
125	Radiator Deutz 6M 816 U	1	PT. PLN Cabang Dumai		2,5	Oct-05
126	Radiator Mesin MAK 8M 453 Ak sn 27022	6	PLTD Suka Berenang – Tj.Pinang	913320	2,5	Oct-05
127	Radiator Deutz BA 12M816W	1	PLTD Selat Panjang		2,5	Oct-05
128	Radiator MAK 8M453 AK sn 26834	14	PLTD Karang Mulia-Biak	1.290.000,00	2,5	Oct-05
129	Radiator SWD 6FHD 240G	6	Pusat Listrik Kairatu-Ambon	912,8	2,5	Oct-05
130	Radiator Deutz 6M 816 U	1	PT. PLN Cabang Dumai		2,5	Oct-05
131	Radiator Mesin MAK 8M 453 Ak sn 27022	6	PLTD Suka Berenang – Tj.Pinang	913320	2,5	Oct-05
132	Radiator Jacket Water dan Intercooler MAK 8M453AK	14	PLTD Seuneubok PLN NAD	913.320,00	3	Jan-06
133	Radiator Jacket Water dan Intercooler SWD 6TM410 RR	21	PLTD Suak Blang Pidie PLN NAD	1.219.700,00	3	Jan-06
134	Radiator Jacket Water dan Intercooler MAK 8M453AK	14	PLTD Seuneubok PLN NAD	913.320,00	3	Jan-06
135	Radiator Jacket Water dan Intercooler SWD 6TM410 RR	21	PLTD Suak Blang Pidie PLN NAD	1.219.700,00	3	Jan-06
136	Air Cooler Ruston 16 RKC	4	PT Mirlindo Padu Kencana	1.219.700,00	3	Jan-06
137	Radiator Daihatsu 6DL28	12	Pusat Listrik Masohi –Wilayah Maluku	1.282.500	2,5	Jul-06
138	Radiator Air Cooler PLTA Cirata	4	PT. Kharisma Nusantara		4	Jul-06
139	Radiator SWD 6FHD 240G	6	Pusat Listrik Kairatu-Ambon	HT=739.600 LT=173.200	2,5	Jul-06
140	Radiator dan Oil Cooler Dauzer D75S-5	1	Delta Rekaprima Sakti	37,375	6	Jul-06
141	Radiator Daihatsu 6DL28	12	Pusat Listrik Masohi –Wilayah Maluku	1.282.500	2,5	Jul-06
142	Radiator Air Cooler PLTA Cirata	4	PT. Kharisma Nusantara		4	Jul-06
143	Radiator SWD 6FHD 240G	6	Pusat Listrik Kairatu-Ambon	LT=173.200 HT=739.600	2,5	Jul-06
144	Radiator dan Oil Cooler Dauzer D75S-5	1	Delta Rekaprima Sakti	37,375	6	Jul-06
145	Radiator Daihatsu 6DL 28 Jacket Water	4	PLTD Sanggeng Manokwari	HT=259.100	2,5	Jul-06
146	Radiator Daihatsu 6DL28 Intercooler	8	PLTD Sanggeng Manokwari	LT=279.800	2,5	Jul-06
147	Radiator Mesin Caterpillar 3616 & MTU	1	PLTD Cot Trueng & Aneuk Laot		2,5	Oct-06
148	Radiator Mesin Caterpillar 3616 & MTU	1	PLTD Cot Trueng & Aneuk Laot		2,5	Oct-06
149	Radiator Mirrless ELS 9MK2 sn 7122-01	1	PLTD Suak Blang Pidie PLN NAD		2,5	Oct-06
150	Radiator Mirrless ELS 9MK2 sn 7122-01	1	PLTD Suak Blang Pidie PLN NAD		2,5	Oct-06
151	Radiator MAK 8M 453 AK sn 26848	10	PLTD Suka Berenang-Tj. Pinang	913320	2,5	Nov-06
152	Radiator Mesin Daihatsu 6 DL 22	4	PLTD Ranai & Tanjung Batu		2,5	Nov-06
153	Radiator Mesin Cockeril sn. 2408059	1	PLTD Manna-S2JB		2,5	Nov-06
154	Radiator MAK 8M 453 AK sn. 26887	14	PLTD Suak Blang Pidie PLN NAD	913320	2,5	Nov-06
155	Radiator SWD 6 TM 410 RR	21	Pusat Listrik Kayu Merah-M2U		4	Nov-06
156	Radiator MAK 8M 453 AK sn 26848	10	PLTD Suka Berenang-Tj. Pinang	913320	2,5	Nov-06
157	Radiator Mesin Daihatsu 6 DL 22	4	PLTD Ranai & Tanjung Batu		2,5	Nov-06
158	Radiator Oil Cooler SWD 6 TM 410 RR	3	Pusat Listrik Kayu Merah-M2U	302,5	2,5	Nov-06
159	Radiator Mesin Cockeril sn. 2408059	1	PLTD Manna-S2JB		2,5	Nov-06
160	Radiator MAK 8M 453 AK sn. 26887	14	PLTD Suak Blang Pidie PLN NAD	913320	2,5	Nov-06
161	Radiator SWD 6 TM 410 RR	21	Pusat Listrik Kayu Merah-M2U		4	Nov-06
162	Radiator SWD 6TM 410 RR	21	PLTD Seuneubok PLN NAD		2,5	Des-06

163	Radiator SWD 6TM 410 RR	21	PLTD Seuneubok PLN NAD		2,5	Des-06
164	3 (tiga) unit Radiator Mesin Deutz BA 12 M 816W	1	PLTD Selat Panjang Dumai		2,5	Jan-07
165	Radiator Mesin Deutz BA 12 M 816W	3	PLTD Selat Panjang Dumai		2,5	Jan-07
166	Radiator Caterpillar D33616	4	Pusat Listrik POKA		2,5	Jan-07
167	Radiator Caterpillar D 3616, LT	3	Pusat Listrik POKA		2,5	Jan-07
168	Radiator Deutz BA 12M 816W	1	PLTD Selat Panjang		2,5	Feb-07
169	Radiator Cooling PLTD Senayan	24	PLTD Senayan PT. Indonesia Power UBP Priok	1.290.000,00	2,5	Mar-07
170	1 (satu) unit Radiator Cooling PLTD Senayan	24	PLTD Senayan PT. Indonesia Power UBP Priok	1.290.000,00	2,5	Mar-07
171	Jaket Water & Inter cooler	1	Pertamina Ellipse	250	5	Jun-07
172	Radiator Komatsu EGS 850-620KW	1	PLN Wilayah M2U	97	2,5	Jul-07
173	Radiator Cummins KTA 50-G3	1	PLN Wilayah NAD	137	2,5	Jul-07
174	Radiator Volvo Penta	1	PLN Wilayah S2JB	87,5	2,5	Jul-07
175	Radiator Komatsu EGS 850-620KW	1	PLN Wilayah M2U	87,5	2,5	Aug-07
176	Radiator MWM TBD 616V12 (HT)	1	PLN Wilayah M2U	98,5	2,5	Aug-07
177	Radiator MWM TBD 616 V12 (LT)	1	PLN Wilayah M2U	98,5	2,5	Aug-07
178	Radiator MAN D2840 I	1	PLN Wilayah M2U	85	2,5	Aug-07
179	Radiator MAN D2840 III	1	PLN Wilayah M2U	87,5	2,5	Aug-07
180	Radiator MAN Unit I D2840 LE 21	1	Pusat Listrik Namlea	135	2,5	Aug-07
181	Radiator Komatsu EGS 850-620KW	1	Pusat Listrik Namlea	87,5	2,5	Aug-07
182	Radiator Scoda II	1	PLN WKST	79	2,5	Aug-07
183	Radiator Scoda I	1	PLN WSKT	79	2,5	Aug-07
184	Radiator MAN D2842 LE 21	1	Pusat Listrik Kairatu	85	2,5	Sep-07
185	Radiator MWM TBD 232 V12 (HT+LT)	1	Pusat Listrik Kairatu	110	2,5	Sep-07
186	Radiator MWM TBD 616 V12 (HT+LT)	1	Pusat Listrik Kairatu	110	2,5	Sep-07
187	Radiator Deutz BF 6M 101 5C	1	Pusat Listrik Haruku	105	2,5	Sep-07
188	Radiator Volvo Penta 250 KW	1	Pusat Listrik Laimu	189,2	2,5	Sep-07
189	Radiator Volvo Penta 250 KW	1	Pusat Listrik Taniwel	189,2	2,5	Sep-07
190	Radiator Deutz BF 8M 101 5C (HT+LT)	1	Pusat Listrik Lontoir	154	2,5	Sep-07
191	Radiator DAF DKT 1160 A	1	Pusat Listrik Toheru	89	2,5	Sep-07
192	Radiator Deutz BF 6M 101 53	1	Pusat Listrik Air Buaya	105	2,5	Sep-07
193	Radiator GMT A 420 PLTD Poka Ambon	2	PT. PLN (Persero) Wil. M2U	LT=1,650,000	2,5	Sep-07
194	Radiator GMT A 420 PLTD Poka Ambon	2	PT. PLN (Persero) Wil. M2U	HT=1,250,000	2,5	Sep-07
195	Radiator MWM TBD 440-8 s/n 10261	10	Pusat Listrik Langgar	675	2,5	Sep-07
196	Radiator Daihatsu 6DL28 s/n DL 628Z0375 PL Langgur	12		875		Sep-07
197	Radiator Mesin MTU 12V4000 G61	2	PLTD Tapak Tuan	425,5	3	Sep-07
198	Radiator GMT A 420 PLTD Poka Ambon	2	PT. PLN (Persero) Wil. M2U	LT=1,650,000	2,5	Sep-07
199	Radiator GMT A 420 PLTD Poka Ambon	2	PT. PLN (Persero) Wil. M2U	HT=1,250,000	2,5	Sep-07
200	Radiator MWM TBD 440-8 s/n 10261	10	Pusat Listrik Langgur	675	2,5	Sep-07
201	Radiator Daihatsu 6DL28 s/n DL 628Z0375 PL Langgur	12	Pusat Listrik Langgur	875		Sep-07
202	Radiator Mesin MTU 12V4000 G61	2	PLTD Tapak Tuan	425,5	3	Sep-07
203	Radiator Deutz BV 8M628	12	PLTD Seuneubok PLN NAD	412,5	3	Oct-07
204	Radiator MAK 8M453 AK	14	PLTD Seuneubok PLN NAD	1.720.000	3	Oct-07
205	Radiator Caterpillar D3516	4	PLTD Seuneubok PLN NAD	2.150.000	3	Oct-07
206	Radiator Deutz BV 8M628	12	PLTD Seuneubok PLN NAD	412,5	3	Oct-07
207	Radiator MAK 8M453 AK	14	PLTD Seuneubok PLN NAD	1.720.000	3	Oct-07
208	Radiator Caterpillar D3516	4	PLTD Seuneubok PLN NAD	2.150.000	3	Oct-07
209	Radiator Mesin MAK 453AK	12	PLTD Suka Berenang - Tj. Pinang	174,6	3	Nov-07
210	Radiator Daihatsu 6DL22	2	PLTD Tanjung Batu	124	3	Nov-07
211	Radiator Mesin Sulzer 12ZV40/48 unit 6	1	PLTD Lueng Bata NAD			Nov-07
212	Radiator Mesin MAK 453AK	12	PLTD Suka Berenang - Tj. Pinang	174,6	3	Nov-07
213	Radiator Daihatsu 6DL22	2	PLTD Tanjung Batu	124	3	Nov-07
214	Radiator Mesin Sulzer 12ZV40/48 unit 6	1	PLTD Lueng Bata NAD			Nov-07
215	Radiator Daihatsu 6 DL 28	12	Pusat Listrik Langgur	1.282. 500	3	Jan-08
216	Radiator SWD 6 FG 240	12	Pusat Listrik Go To	302,5	3	Jan-08
217	Radiator Mesin Caterpillar CAT D3606	1	Pusat Listrik Tobello	356 500	3	Jan-08
218	Radiator Mesin Caterpillar CAT D3615	2	Pusat Listrik Poka	356 500	3	Jan-08
219	Radiator Mesin SWD 6 FG 240	12	Pusat Listrik Sanana	302,5	3	Jan-08
220	Radiator GMT A. 420. Unit II	2	Pusat Listrik Poka	LT=1,650,000 HT=1,250,001	3	Jan-08
221	Radiator GMT A. 420. Unit II	2	Pusat Listrik Poka	LT=1,650,000 HT=1,250,001	3	Jan-08
222	Radiator GMT A. 420. Unit III	2	Pusat Listrik Poka	LT=1,650,000 HT=1,250,001	3	Jan-08
223	Radiator GMT A. 420. Unit III	2	Pusat Listrik Poka	LT=1,650,000 HT=1,250,001	3	Jan-08
224	Radiator Daihatsu 6 DL 28	12	Pusat Listrik Langgur	1.282. 500	3	Jan-08
225	Radiator SWD 6 FG 240	12	Pusat Listrik Go To	302,5	3	Jan-08

226	Radiator Mesin Caterpillar CAT D3606	1	Pusat Listrik Tobello	356 500	3	Jan-08
227	Radiator Mesin Caterpillar CAT D3615	2	Pusat Listrik Poka	356 500	3	Jan-08
228	Radiator Mesin SWD 6 FG 240	12	Pusat Listrik Sanana	302,5	3	Jan-08
229	Radiator HSD Cooler CAT D3516	1	PLTD Seuneubok PLN NAD	295,6	6	Jan-08
230	Jacket Water SWD 6TM 410 RR	6	Pusat Listrik Kayu Merah	362,5	3	Jan-08
231	Radiator HSD Caterpillar	1	PLTD Seuneubok PLN NAD	156,5	3	Mar-08
232	Radiator Daihatsu 6DL22	2	PLTD Kuning Kuta Cane	642,5	3	Mar-08
233	Radiator Turbin Gas F 9	9	PLTGU Sicanang	3.225.000	3	Mei-08
234	Radiator Caterpillar D3606	8	Pusat Listrik Langgur	356,5	3	Mei-08
235	Radiator Caterpillar G398	1	Pertamina Intermega Sabaku	387,5	3	Jun-08
236	Radiator Jacket Water Perkin	1	PLTD Pagatan	287,5	3	Jun-08
237	Radiator Deutz 6M816U	2	PLTD Sinabang	275,6	3	Jul-08
238	Radiator DAF DKT	3	PLTD Sinabang	132,5	3	Jul-08
239	Radiator CAT 3516 B	21	PLTD Anek Laot Sabang	1.235.000	3	Jul-08
240	Radiator CAT 3516 D	1	PLTD Alue Billie	2.418.000	3	Jul-08
241	Radiator MAN D 2842 LE 201	1	Pusat Listrik Dobo	625	3	Jul-08
242	Radiator Man D 2866	1	Pusat Listrik Larat	315	3	Jul-08
243	Radiator Deutz BV 12M628	1	Pusat Listrik Letwurung	587,5	3	Jul-08
244	Radiator Man D 2866	1	Pusat Listrik Saumlaki	315	3	Jul-08
245	Radiator MTU 18V2000G62	1	Pusat Listrik Saumlaki	647,5	3	Jul-08
246	Radiator Man D 2866	1	Pusat Listrik Tapa	315	3	Jul-08
247	Radiator Daihatsu 6PSHTC 26D	2	PLTD Kuning Kutacane	362	3	Jul-08
248	Radiator Daihatsu 6DL 22	5	PLTD Ranai PLN Cab. Tanjungpinang	642,5	1,5	Nov-08
249	Radiator Daihatsu 12DS32	60	PLTD Panangkalaan	642,5	1,5	Nov-08
250	Radiator Mesin SWD	7	Pusat Listrik Kayu Merah	302,5	6	Nov-08
251	Radiator Mesin Mirrless ESL 8MK2	8	PLTD Muara Teweh PLN WKSKT	1.262.000	3	Dec-08
252	Radiator Mesin MTU 12V 4000 G61 s/n 526101612	1	PLTD Jeuram NAD	425,5	3	Feb-09
253	Radiator Mesin MTU 12V 4000 G61 s/n 526101689	1	PLTD Jeuram NAD	425,5	3	Feb-09
254	Radiator Mesin MTU 12V 183 TB 32 s/n 24180	1	PLTD Calang NAD	647,5	3	Feb-09
255	Radiator Mesin Mirrless ESL 8MK2 s/n 7132-01	4	PLTD Buntok WKSKT	1.262.000	3	Mar-09
256	Radiator Mesin SWD DRO 216K Unit 1 s/n 11141-2	1	Pusat Listrik Langgur MMU	105	3	Apr-09
257	Radiator Mesin Deutz BA 12M 816 Unit IV s/n 6985420	8	Pusat Listrik Langgur MMU	185	3	Apr-09
258	Radiator Mesin Deutz BA 12M 816 Unit V s/n 6965159	8	Pusat Listrik Langgur MMU	185	3	Apr-09
259	Radiator Mesin Caterpillar D3616 s/n IPD00402	1	Pusat Listrik Kayu Merah	2.322.000	3	Apr-09
260	Radiator Mesin Volvo Penta TAD 1630GE s/n 2160047030	1	Pusat Listrik Leksula	189,2	2,5	Apr-09
261	Radiator Mesin Deutz MWM TBD 616 V12 500kW	1	Pusat Listrik Banda	110	3	Apr-09
262	Radiator Mesin Volvo Penta TAD 1630GE s/n 2160048528	1	Pusat Listrik Lonthor	189,2	2,5	Apr-09
263	Radiator Mesin Deutz MWM TBD 616 V12 500kW	1	Pusat Listrik Mako	110	3	Apr-09
264	Radiator Caterpillar 3616	1	Pusat Listrik Kayu Merah		3	Apr-09
265	Radiator Caterpillar 3616	2	PLTD Merawang	2.322.000	3	Mei-09
266	Radiator Mesin MTU 12V 4000 G61 s/n 526101612	1	PLTD Rema NAD	1.125.500	3	Jun-09
267	Radiator Mesin MTU 12V 4000 G61 s/n 526101613	1	PLTD Rema NAD	1.125.500	3	Jun-09
268	Radiator Niigata 8L25BX	16	PLTD Anek Laot Sabang	1.675.000	3	Jun-09
269	Radiator Mesin MTU 12V 4000 G61	1	PLTD Suak Blang Pidie PLN NAD	1.125.500	3	Aug-09
270	Radiator Mesin MTU 12V 4000 G61	1	PLTD Suak Blang Pidie PLN NAD	1.125.500	3	Aug-09
271	Radiator VCC Mirrlees 12KV Mayor	2	PLT Senebok NAD	412	3	Aug-09
272	Radiator Komatsu S6D140-1 s/n 18647	1	PLN Cabang Kotabaru	151360	3	Aug-09
273	Jacket Water & InterCooler MaK 8M453Ak	14	PLTD Suak Blang Pidie PLN NAD	1.345.000	3	Aug-09
274	Aircooler Generator PLTA Saguling	10	Indonesia Power	3.125.000	3	Aug-09
275	Radiator MWM TBD 616 V16 s/n 2204680	1	PLTD Kotabaru PLN Cabang Kotabaru	110	3	Dec-09
276	Radiator MAN D2866LE 201 s/n 39499260874201, 250kW	1	Pusat Listrik Mako MMU	172	3	Jan-10
277	Radiator Mesin MTU 12V2000G62 s/n 535102284, 500kW	1	Pusat Listrik Namlea MMU	344	3	Jan-10
278	Radiator Mesin DAF DKT 1160A sn F57982 dan sn F58205	2	PLTD Bakongan PLN Aceh	86	3	Jan-10
279	Radiator Mein MTU Mercedes 12V 183 TB32 sn. 501024078	1	PLTD Bakongan PLN Aceh	275,2	3	Jan-10
280	Radiator Mesin DAF DKT 1160A sn. 83314 dan sn. 83344	2	PLTD Kampung Air PLN Aceh	86	3	Jan-10
281	Radiator Caterpillar D3512 sn. 1KZ00996	1	PLTD Lasikin PLN Aceh	701,76	3	Jan-10
282	Radiator Mesin MTU Mercedes 12V 183TB32 sn. 501241078	2	PLTD Lasikin PLN Aceh	275,2	3	Jan-10
283	Radiator (HT & LT) Mesin SWD 6TM 410RR sn. 50200	2	PLTD Seuneubok PLN Aceh	1.871.360	3	Jan-10
284	Radiator Mesin MTU 18V 2000 G63 sn. 539100995	1	PLTD Lamno PLN Aceh	564,16	3	Jan-10
285	Intercooler (LT) Mesin SWD 6TM 410RR sn. 3324	1	PLTD Kuning PLN Aceh	935,68	3	Jan-10
286	Jacket Water (HT) Mesin SWD 6TM 410RR sn. 3324	1	PLTD Kuning PLN Aceh	1.403.520	3	Jan-10

287	Radiator dan Intercooler MWM TBD 616V12 sn. 2204858	1	Pusat Listrik Jailolo	145	3	Mei-10
288	Radiator dan Intercooler MTU 18V2000G63 sn. 539100641	1	Pusat Listrik Jailolo	344	3	Mei-10
289	Radiator dan Intercooler MWM TBD 616V12 sn. 2205173	1	Pusat Listrik Tobelo	145	3	Mei-10
290	Radiator Generator	6	PLTA Ir. H. Djuanda	215	3	Mei-10
291	Air Cooler Generator Assy	11	PLTA Saguling	375	3	Mei-10
292	Radiator Daihatsu 8DS26	4	PLTD Lasikin PLN Aceh	642,5	3	Jun-10
293	Radiator Alsthom	1	PLTU Keramasan	533,2	3	Jun-10
294	Radiator Assy HD 465	1	PT. PAMA PERSADA	395	3	Jun-10
295	Radiator Mesin MTU Mercedes 12V 183 TB32 sn. 501024011	1	PLTD Kuta Fajar PLN Aceh	344	3	Aug-10
296	Radiator Mesin SWD 6TM 410RR sn. 50400	1	PLTD Seuneubok PLN Aceh	1.637.293	3	Aug-10
297	Radiator Mesin MTU 12V 2000 G62 sn. 535102107	1	PLTD Lasikin PLN Aceh	300,828	3	Aug-10
298	Radiator Mesin Cummins NTA 855-G6 sn. 25329709	3	PLTD Pulau Balai PLN Ache	569,75	3	Aug-10
299	Radiator dan Intercooler Mesin Scoda 6-27 5A4S sn. 07930010	1	PLTD Pagatan PLN WKSKT	376,035	3	Sep-10
300	Radiator Jacket Water Mirrless ESL 8MK2 sn. 1728-02	1	PLTD Maburai PLN WKSKT	512,775	3	Sep-10
301	Radiator Assy CAT D379	1	TAC Pertamina Intermega Sabaku	285	3	Oct-10
302	Radiator Mesin DAF DKT 1160A	1	PLTD Kuala Baru POLN NAD	72,12	3	Nov-10
303	Radiator mesin DAF DKT 1160AG	1	PLTD Kuala Baru POLN NAD	81,28	3	Nov-10
304	Radiator MTU 12V2000 G63 s/n 535104522	2	PLTD Lasikin PLN NAD	481,6	3	Nov-10
305	Radiator Mesin DAF DKT 1160A	1	PLTD Haloban PLN NAD	72,12	3	Nov-10
306	Radiator mesin DAF DKT 1160AG	1	PLTD Haloban PLN NAD	81,28	3	Nov-10
307	Radiator Mesin MTU 12V2000G62 s/n 535101574	2	PLTD Rimo PLTD NAD	387	3	Nov-10
308	Radiator Mesin MTU 12V4000G61 s/n 526101293	3	PLTD Rimo PLN NAD	541,8	3	Nov-10
309	Radiator Mesin MaK 8M453AK s/n 26886	14	PLTD Seneubok PLN NAD	1.572.760	3	Nov-10
310	Jacket Water Mesin Mirrless 12KV Major s/n 6937-3	1	PLTD Seneubok PLN NAD	1.277.100	3	Nov-10
311	Radiator Mesin MTU 12V4000G61 s/n 526101982	3	PLTD Teunom PLN NAD	541,8	3	Dec-10
312	Radiator Mesin MTU 18V2000G63 s/n 539100419	2	PLTD Tapaktuan PLN NAD	665,64	3	Dec-10
313	Radiator Mesin MTU 18V2000G63 s/n 539100997	2	PLTD Kuta Fajar PLN NAD	665,64	3	Jan-11
314	Radiator Mesin MTU 18V2000G63 s/n 539100312	2	PLTD Rimo PLN NAD	665,64	3	Jan-11
315	Radiator Mesin MTU 12V4000G61 s/n 526101294	3	PLTD Rimo PLN NAD	541,8	3	Feb-11
316	Radiator Mesin Caterpillar CAT 3616 s/n 1PD00190	2	PLTD Cot Trueng PLN NAD	654,804	3	Feb-11
317	Radiator Mesin Caterpillar CAT 3616 s/n 1PD00198	3	PLTD Cot Trueng PLN NAD	986,7	3	Feb-11
318	Radiator Jacket Water Mesin Sulzer 12ZV 40/48	1	PLTD Lueng Bata PLN NAD	1.627.000	3	Mar-11
319	Radiator Jacket Water Mesin Mirrless 12KV Mayor sn. 852401	2	PLTD Suak	1.277.100	3	May-11
320	Radiator VCC (Valve Cage Cooler) Mesin Mirrless 12KV Mayor sn. 852401	2	PLTD Suak	1.277.100	3	May-11
321	Radiator Jacket Water Mesin Caterpillar D3616 sn. 1PD00198	2	PLTD Cot Trueng	986,7	3	May-11
322	Radiator Inter Cooler Mesin Caterpillar D3616 sn. 1PD00198	2	PLTD Cot Trueng	986,7	3	May-11
323	Radiator Jacket Water Mesin Caterpillar D3616 sn. 1PD00199	2	PLTD Cot Trueng	986,7	3	May-11
324	Radiator Inter Cooler Mesin Caterpillar D3616 sn. 1PD00199	2	PLTD Cot Trueng	986,7	3	May-11
325	Radiator Oli Mesin MAK 8M 453 C sn. 27183	1	PLTD Waena Jayapura	375	6	May-11
326	Rekondisi Radiator Jacket Water & Oil Cooler Mesin Mirrless 12KV Mayor sn. 8524-01	1	PLTD Suak	1.277.100	3	Jun-11
327	JW/LO Radiator Mesin Sulzer Type 12ZV 40/48 Unit 8	1	PLTD Lueng Bata	1.627.000	3	Jun-11
328	Radiator MTU 18V2000G63	4	PLTD Rimo	541,8	3	Jun-11
329	Radiator MTU 12V4000G61	3	PLTD Rimo	665,64	3	Jun-11
330	Radiator Caterpillar 3616	13	PLTD COT Rueng	2.322.000	3	Jun-11
331	Jacket Water Mirrless 12KV Major	3	PLTD Suak	1.277.100	3	Jun-11
332	Jacket Water Sulzer 12ZV40/48	1	PLTD Lueng Bata	1.875.000	3	Jun-11
333	Radiator VCC Mirrless 12KV Major	2	PLTD Suak	321	3	Jun-11
334	Air Cooler Generator Assy (Material Tube : Stainless)	8	PLTA Saguling	375	3	Jun-11
335	Radiator mesin MTU 12V 4000 G61 sn. 526101291	1	PLTD Kuning -Aceh	665,64	2,5	Dec-11
336	Radiator mesin MTU 12V 4000 G60 sn. 526100995	1	PLTD Kuning -Aceh	665,64	2,5	Dec-11
337	Radiator mesin MTU 12V 4000 G61 sn. 526101292	1	PLTD Kuning -Aceh	665,64	2,5	Dec-11
338	Radiator Jacket Water Mesin Mirrless 12KV Mayor sn. 851501	1	PLTD Suak - Aceh	1.277.100		Dec-11
339	Radiator Valve Cage Cooler (VCC) Mesin Mirrless 12KV Mayor sn. 851501	1	PLTD Suak - Aceh	321	3	Dec-11
340	Radiator Jacket Water Mesin Mirrless ELS 9MK2 sn. 7122-1	1	PLTD Suak - Aceh	HT=397.320	2,5	Dec-11
341	Radiator Inter Cooler Mesin Mirrless ELS 9MK2 sn. 7122-1	1	PLTD Suak - Aceh	HT=732.420	2,5	Dec-11
342	Fin Fan Cooler Gas Engine Rolls Royce B35:40V20AG (HT<)	12	PLTMG 20-25MW Panaran Project	732,42	3	May-12

343	Radiator MAK 8M 453AK	7	PLTD Merawang	732,42	3	Jun-12
344	Heat Exchanger	1	PT. Krakatau Steel	321	3	Jul-12
345	Air Cooler Generator	8	PLTA Saguling	321	3	Sep-12
346	Air Cooler Assembly	1	PLTA Cikalong	321	3	Dec-12
347	Radiator Generator	4	PLTA Wlingi	321	3	Jan-13
348	Radiator Jacket Water Mesin Mirrless 12 KV Mayor Sn. 6937-2	1	PLTD Cot Trueng	397,32	2,5	Jan-13
349	Right Radiator Jacket Water dan Intercooler Mesin Niigata 8L 40CX s/n 54942	1	PLTD Pulo Pisang	397,32	2,5	Jan-13
350	Left Radiator Jacket Water dan Intercooler Mesin Niigata 8L 40CX s/n 54942	1	PLTD Pulo Pisang	397,32	2,5	Jan-13
351	Radiator Valve Cage Cooler (VCC) Mesin Mirrless 12KV Mayor s/n 6937-2	1	PLTD Cot Trueng	321	3	Jan-13
352	Fin Fan Cooler For Foxtrot Compressor	2	PT. Pertamina PHE ONWJ			May-13
353	Air Cooler Heat Exchanger for Pangkalan Brandan	2	Pertamina Gas SKG Pangkalan Brandan			Feb-14
354	Air Cooler Heat Exchanger for Rantau Panjang	3	Pertamina Gas SKG Rantau Panjang			Feb-14
355	Fin Fan Cooler For Mike-Mike	2	PT. Pertamina PHE ONWJ			Dec-14
356	Header dan Radiator Mesin MAK 8M 453 AK	1	PT. PLN (Persero) Wilayah Aceh			Feb-15
357	Retubing Charge Air Cooler Mesin MAK 8M 453 AK	1	PT. PLN (Persero) Wilayah Aceh			Feb-15
358	Radiator Inter Cooler, Injector Cooling Water Pump dan Make-Up Water Pump Mesin SWD 6TM 410R	1	PT. PLN (Persero) Wilayah Aceh			Feb-15
359	Header dan Radiator Jacket Water Mesin SWD 6TM 410R	1	PT. PLN (Persero) Wilayah Aceh			Feb-15
360	Radiator Mesin SWD 6FG-240	1	PT. PLN (Persero) Wilayah Aceh			Feb-15
361	Fin Fan Cooler -Inter Stage Gas Cooler AC-100 Melahin	1	CV. Enercon for PT. Chevron Indonesia			Aug-15
362	Radiator, Assembly Vertical JW & IC Caterpillar G3516	1	PT. Medco			Sep-15
363	Gas Cooler Centaur 40-1 (Airfin Cooler Assy dan Frame Assy) PT. Pertamina Gas SKG Cambai	1	PT. Witraco Perdana		58,5	Jan-16
364	Bank Air Cooler Tag. No. 22-E-102 A-H	8	P. Pertamina RU VI Balongan			Jun-16
365	Pekerjaan Cleaning dan Penggantian Turbulator Lube Oil Cooler Centaur 40 PT. Pertamina Gas SKG Cilamaya	1	PT. Indoturbine			Jun-16
366	Penggantian Radiator Mesin Caterpillar 3512 S.N 2JW00993	1	PT. PLN Area Banda Aceh			Oct-16
367	Penggantian Radiator Mesin MTU 12 V 183 TB 32 S.N 024084	1	PT. PLN Area Banda Aceh			Oct-16
368	Pengadaan dan Pemasangan Radiator Jacket Water dan Intercooler Mesin SWD 9FG-240 SN 70934	1	PT. PLN Area Subulussalam			Nov-16
369	Pengadaan dan Pemasangan Radiator Jacket Water dan Intercooler Mesin SWD 9FG-240 SN 70933	1	PT. PLN Area Subulussalam			Nov-16
370	Pengadaan dan Pemasangan Radiator Jacket Water dan Intercooler Mesin SWD 6FG-240 SN 70762	6	PT. PLN Area Subulussalam			Nov-16
371	Radiator Cat G342 dan Cat 3306	1	PT Medco Energi			Apr-17
372	Radiator MDB	1	Pereum Jasa Tirta II			Oct-17
373	Radiator MLA	1	Pereum Jasa Tirta II			Nov 17
	Sub Total E	1526				
F. OTHERS						
1	Unit Pengering	5	Creata LPPM IPB (Kerjasama		-	Jul-05
2	Fire Protection System for Trafo & Generator	1	Perum Jasa Tirta II		15	Nov-05
3	Heat Exchanger	1	TEP-IPB High Link		2,5	Jan-07
4	Motor impeller dan casing	6				Sep-07
5	Piping System Jacket Water SWD	1	Pusat Listrik Kayu Merah	-	3	Jan-08
6	Piping System Oil Cooler SWD	1	Pusat Listrik Kayu Merah	-	3	Jan-08
7	Piping System Sea Water	1	Pusat Listrik Kayu Merah	-	3	Jan-08
8	Kegiatan Produktive DJLPE	9	Kaltim, NTB dan NTT		-	Sep-09
9	Silencer Gas Buang GMT A 420.14 s/n 1429	1	Pusat Listrik Poka MMU	-		Jan-10
10	Silencer Gas Buang SWD 12TM 410RR s/n 3647	1	Pusat Listrik Hative Kecil MMU	-		Jan-10
11	Cooling System Mesin Deutz TBD 616 V16 Unit XIII, 700kW	1	Pusat Listrik Langgur MMU	481,6	3	Jan-10

12	Cooling System Mesin Deutz TBD 616 V16 Unit XIV, 700kW	1	Pusat Listrik Langgur MMU	481,6	3	Jan-10
13	Cooling System Komatsu SAA 12V140 P1150 Unit XV, 700kW	1	Pusat Listrik Langgur MMU	481,6	3	Jan-10
14	Cooling System MTU 18V2000G62 Unit XI, 720kW	1	Pusat Listrik Langgur MMU	495,36	3	Jan-10
15	Cooling System MTU 18V2000G62 Unit XII, 720kW	1	Pusat listrik Langgur MMU	495,36	3	Jan-10
16	Silincer Mesin MTU 18V 2000 G62 sn. 539100382	1	PLTD Sanana PLN Ternate	720	0,3	Jul-10
17	Silincer Mesin SWD 6FG 240G sn. 70757	1	PLTD Sanana PLN Ternate	900	0,3	Jul-10
18	Silincer Mesin SWD 6FG 240G sn. 70762	1	PLTD Goto PLN Ternate	900	0,3	Jul-10
19	Exhaust Fan Mesin MaK 8M453 Ak	1	PLTD Suak PLN NAD	-	-	Dec-10
20	HFO Heater Type V16-2P-L=1200	2	PLTD Sei Raya Pontianak	125	3	Oct-11
21	Vertical Member F81 Komatsu	10	Komatsu			Oct-11
22	Vertical Member F61 Komatsu	10	Komatsu			Oct-11
23	Vertical Member F81 Komatsu	17	Komatsu			Oct-11
24	Vertical Member F81 Komatsu	11	Komatsu			Oct-11
25	Vertical Member F61 Komatsu	23	Komatsu			Oct-11
26	Rear Cross Komatsu	6	Komatsu			Oct-11
27	Machining Turbine	5	Reka Optima			Oct-11
28	Spiral Casing PLTMH	2	PLTMH Walesi	-	5	Oct-11
29	HFO Heater Mesin MAN 18V	2	PLTD Sei Raya Pontianak	135	5	Oct-11
30	Pipa Penstock PLTMH	102	PLTMH Walesi	-	5	Oct-11
31	Exhaust Fan Mesin Mirrless 12KV Mayor sn. 851501 dan sn. 852401	2	PLTD Suak – Aceh	-	1	Oct-11
32	Piping System Radiator VCC Mesin Mirrless 12KV Mayor sn. 851501	1	PLTD Suak – Aceh	-	3	Oct-11
33	Engine Base Plate	5	Reka Optima	-		Jan-12
34	Prototype Shell & Tube Kapasitas 80kW	1	PT. PLN (Persero) PUSHARLIS	100	6	Aug-12
35	Air Intake Ducting c/w Silincer, For Gas Engine Rolls Royce, Engine Type B 35:40 V 20AG	6	PLTMG 20-25MW Panaran Project	-	-	May-12
36	Header Trust Bearing	3	PLTA Jatiluhur	-	-	Apr-12
37	Piping from header to zero level for LT/HT Fin Fan Cooler	1	PLTMG 20-25MW Panaran Project	-	-	Apr-12
38	Material Utama Turbin dan Jasa Tube Condensor Unit 2	1	PLTU Ombilin	-	-	Nop-12
39	Heater Tangki Oil Termal untuk sarana operasi mesin 15MW	1	PLTD PLTD Sie Wie	-	-	Des-12
40	Piping System Radiator Valve Cage Cooler (VCC) Mesin Mirrless 12KV Mayor s/n 852401	1	PLTD Setia	-	-	Jan-13
41	Konstruksi Radiator Jacket Water Inter Cooler dan Oil Cooler Mesin Niigata 8L 40CX s/n 54942	1	PLTD Pulo Pisang	-	-	Jan-13
42	Radiator Volvo Penta TAD 1242 GE s/n 2012453207	1	PLTD Kelapa Lima PT. PLN (Persero) Area Merauki			Mar-13
43	Jasa Potong dan Tekuk	1	PT. Bekasi Power			Nov-14
44	Pembuatan Plug Cu Zn	100	PT. Bekasi Power			Nov-14
45	Air Tank	1	PT. Wiratama Inti Kalor			Aug-14
46	Piping Sistem Radiator Jacket Water dan Piping Sistem Radiator Intercooler Mesin MAK 8M 453	1	PT. PLN (Persero) Wilayah Aceh			Feb-15
47	Unit Pengolah Mobile Biodiesel	1	P3TKEBTKE - ESDM			Jul-15
48	Repair Reactor (RCF) & Modification Preaheat	1	PT. Borneo Karya Persada			Jul-15
49	Perbaikan Frame, Penggantian U-Bend, Pengetesan Radiator, Repair Radiator dan Painting/Finishing-R3	12	PT. Napalima			Nov-15
50	Component Assembly, Pipeline Construction Cabling and Wiring, Commissioning	1	PT.Pertamina Geothermal Energi - Lahendong Geothermal Site			Des-15
51	2 Set Elemen Air Preheater Sisi Dingin	432	PT. PLN (Persero) PUSHARLIS UWP II			Feb-16
52	Sistem Pre-Treatment Biodisel Kemiri Sunan (Sebagian)	1	P3TKEBTKE - ESDM			Apr-16
53	Machining Tubesheet	2	PT. Gaspro			Agu-16
54	Pengadaan Sliding Frame Radiator Cat. G3516	2	PT. Medco E&P Indonesia			Sep-16
55	Pengadaan Barang Bahan Mobile Biodiesel	1	P3TKEBTKE - ESDM			Sep-16
56	Heat Exchanger Pendingin Trafo 35 MVA unit 5 (Water to Oil) dan Heat Exchanger Pendingin Unit 5 (Water to Water)	2	Perum Jasa Tirta II			Feb-17
57	Pengoperasian dan Maintenance PLTP Binary Cycle 500KW	1	BPPT			Apr-17
58	Pengadaan dan Pemasangan Air Heater PLTU Bukit Asam Unit 3 & 4 Sektor Pembangkitan Bukit Asam	2	PT Midigio			Jun-17
59	Expansion Vessel	1	GFZ			Jun-17
60	Bolt & Nut	1	GFZ			Jun-17
61	Coil MDB	2	PLTA Ir. H. Djuanda			Aug-17
62	Servicing Genset & Repair Tube Bundle	1	Kelvion Pte, Ltd.			Agu-17
63	Machining Pumpwork	1	PT Multi Teknik Handal			Agu-17
64	Cleaning Service Radiator Piping	1	Kelvion Pte, Ltd.			Agu-17
65	Coil MLA 200	1	PT Adi Perkasa Teknik			Agu-17
66	Cutting Plate	1	PT sinisa Construction Engineering			Sep-17
67	Cleaning Shell and Tube	1	PT Bekasi Power			Okt-17

68	Jasa Sewa Heater dan Accesories	1	PT surya Pranusa		Okt-17
69	Coil AHU	1	Perum Jasa Tirta II		Okt-17
70	Jasa Machining 108 Shroud	108	PT karya Hitawasana		Nov-17
71	Jasa Machining Plate	1	PT sinisa Construction Engineering		Nov-17
72	Bushing Valve	1	PT Bekasi Power		Nov-17
73	Technical Modification	1	GFZ		Des-17
74	Gas Lift Scrubber	1	PT Elnusa Tbk.		Des-17
Sub Total F		935			
Total Unit Compact Heat Exchanger (A+B+C+D+E+F)		2608			
Total Unit Shell & Tube		203			
Total Unit ORC		8			
Total WTP		5			
Total Unit Compact Heat Exchanger		2608			
Grand Total Production (I + II + III + IV)		2824			

Notes :

1. PLTD = Diesel Power Generator
2. PLTU = Steam Turbine Power Generator
3. PLTA = Hydro Turbine Power Generator
4. PLTG = Gas Turbine Power Generator

January, 1st 2018

PT. INTAN PRIMA KALORINDO



Dr. Yogi Sirodz Gaos

President Director