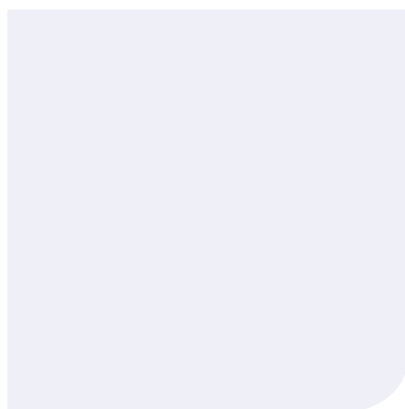
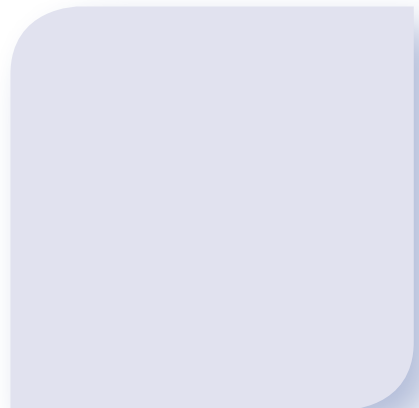
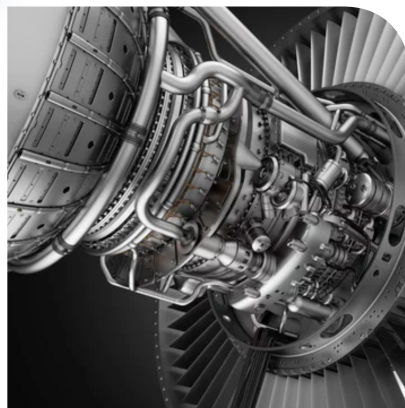
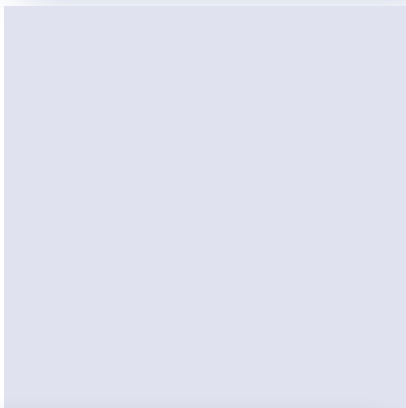




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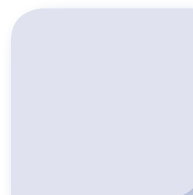
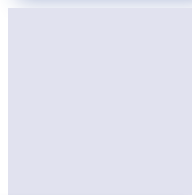
BOOKLET

Boiler and Coal & Ash Handling | Generator & Transformer | Turbine & Cooling System | Tools | Renewable Energy Part



PT PRIMA LAYANAN NIAGA SUKU CADANG





Boiler and Coal & Ash Handling

Catalogue

NO	EQUIPMENT/PART NAME	INSTALLED
1	AIR PREHEATER	
	HOT END ELEMENT	PLTU PACITAN (2X315 MW) PLTU TANJUNG JATI B UNIT 3 & 4 (2X660 MW)
	INTERMEDIATE ELEMENT	PLTU TANJUNG JATI B UNIT 3 & 4 (2X660 MW)
	COLD END ELEMENT	PLTU PACITAN (2X315 MW) PLTU TANJUNG AWAR-AWAR (2X350 MW) PLTU PAITON 9 (1x660 MW)
2	BOILER TUBE & HEADER PIPE	
	SUPERHEATER, REHEATER, ECONOMIZER TUBE (STRAIGHT, FIN TYPE)	PLTU TANJUNG AWAR-AWAR (2X350 MW) PLTU BANTEN 1 SURALAYA (1x625 MW) PLTU JABAR 2 PALABUHAN RATU (3x350 MW) PLTU JATENG 2 ADIPALA (1x660 MW) PLTU PAITON 9 (1x660 MW) PLTU HOLTEKAMP (2X10 MW) PLN WILAYAH NTB - TAMBORA
	HEADER DEADZONE PIPE	PLTU PACITAN (2X315 MW)
	WALL TUBE	PLTU BANTEN 1 SURALAYA (1x625 MW)
	COATING TUBE	PLTU JERANJANG (3x25 MW)
3	REFRACTORY	PLTU TENAYAN (2X110 MW)

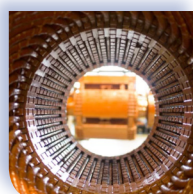
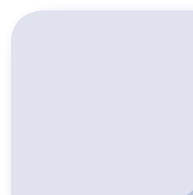
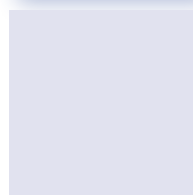
NO	EQUIPMENT/PART NAME	INSTALLED
4	VALVE FOR BOILER	
	SAFETY VALVE	PLTU PACITAN (2X315 MW) PLTU JERANJANG (3x25 MW) PT PJBS Kantor Pusat
	DRAIN & VENT VALVE (GLOBE, GATE, BALL, KNIFE TYPE)	PLTU INDRAMAYU (3x330 MW) PLTU TANJUNG AWAR-AWAR (2X350 MW) PLTU PACITAN (2X315 MW) PLTU PUNAGAYA (2X50 MW) PLTU TENAYAN (2X110 MW)
	MOTOR OPERATED VALVE	PLTU BANTEN 1 SURALAYA (1x625 MW) PLTU BANTEN 3 LONTAR (3x315 MW) PLTU TANJUNG JATI B UNIT 1 & 2 (2X660 MW) PLTU TANJUNG JATI B UNIT 3 & 4 (2X660 MW) PLTU INDRAMAYU (3x330 MW) PLN UIKL SULAWESI
5	SOOTBLOWER	
	LANCE, FEED, NOZZLE TUBE	PLTU BANTEN 2 LABUAN (2X300 MW) PLTU PAITON 9 (1X660 MW)
	AIR RELIEF VALVE, VENT VALVE	PLTU REMBANG (2X315 MW)
	STEM & DISC ASSY	PLTU REMBANG (2X315 MW)
6	FLAME SCANNER	PLTU PACITAN (2X315 MW)
7	EXPANTION JOINTS	PLTU TENAYAN (2X110 MW)
8	VALVE ACTUATOR	
	ELECTRIC ACTUATOR	PLTU TANJUNG JATI B UNIT 3 & 4 (2X660 MW)
	PNEUMATIC ACTUATOR	PLTU TANJUNG JATI B UNIT 3 & 4 (2X660 MW)
9	FD FAN	
	BEARING BOX ASSY	INDONESIA POWER KANTOR PUSAT
	MOTOR 6 KV	PLTU REMBANG (2X315 MW)
	FAN/BLADE	PLTU BANTEN 1 SURALAYA (1x625 MW)
10	ID FAN	
	BEARING BOX ASSY	PLTU BANTEN 3 LONTAR (3x315 MW)
	MOTOR 6 KV	PLTU TENAYAN (2X110 MW) PLTU REMBANG (2X315 MW) PLTU JERANJANG (3x25 MW)
	EXPANTION JOINT INLET	PLTU TENAYAN (2X110 MW)
	IMPELLER ASSY (HUB & BLADE, FAN)	PLTU BANTEN 3 LONTAR (3x315 MW)

NO	EQUIPMENT/PART NAME	INSTALLED
11	PA FAN	
	BEARING BOX ASSY	PLN WILAYAH NTB
	MOTOR 6 KV	PLTU REMBANG (2X315 MW)
	IMPELLER ASSY (HUB & BLADE, FAN)	PLTU BANTEN 3 LONTAR (3x315 MW)
12	HIGH PRESSURE FLUIDIZING FAN (HPFF)	PLTU TENAYAN (2X110 MW)
13	BOILER FEED PUMP	
	PUMP	PLTU TANJUNG AWAR-AWAR (2X350 MW)
	MOTOR 6 KV	PLTU PAITON 9 (1X660 MW) PLTU JERANJANG (3x25 MW)
	VALVE SUCTION BFP	PLTU TENAYAN (2X110 MW)
	VARIABLE SPEED COUPLING	PLTU JERANJANG (3x25 MW)
14	PULVERIZER / MILL	
	GEARBOX MILL	PLTU TANJUNG AWAR-AWAR (2X350 MW) PLTU REMBANG (2X315 MW) PLTU BANTEN 1 SURALAYA (1x625 MW) PLTU BANTEN 3 LONTAR (3x315 MW)
	GRINDING ROLL, GRINDING TABLE	PLTU BANTEN 2 LABUAN (2X300 MW)
	BLADE CONTROL DAMPER	PLTU REMBANG (2X315 MW)
15	COAL CRUSHER	
	ANNULAR HAMMER	PLTU KENDARI 3 (1x10 MW)
	ROTOR	PLTU BANTEN 1 SURALAYA (1x625 MW)
	SCREEN PLATE	PLTU BANTEN 1 SURALAYA (1x625 MW)
16	SEALING AIR FAN	
	IMPELLER ASSY (HUB & BLADE, FAN) - ID FAN	PLTU TANJUNG AWAR-AWAR (2X350 MW)
	MOTOR 6 KV	PLTU TANJUNG AWAR-AWAR (2X350 MW)
17	BOILER FEED PUMP TURBINE (BFPT)	
	ROTOR ASSY	PLTU JABAR 2 PALABUHAN RATU (3x350 MW) PLTU BANTEN 3 LONTAR (3x315 MW)
	PUMP	PLTU BANTEN 2 LABUAN (2X300 MW)
	PLATE HEAT EXCHANGER FOR BFPT	PLTU JATENG 2 ADIPALA (1x660 MW) PLTU BANTEN 1 SURALAYA (1x625 MW)
	MOTOR BOOSTER PUMP FOR BFPT	PLTU PAITON 9 (1X660 MW)

NO	EQUIPMENT/PART NAME	INSTALLED
	COUPLING	PLTU BANTEN 2 LABUAN (2X300 MW)
	MECHANICAL SEAL & BEARING	PLTU BANTEN 2 LABUAN (2X300 MW)
18	COAL FEEDER	
	PULLEY	PLTU BANTEN 1 SURALAYA (1x625 MW)
	COAL PLOUGH WITH MOTOR	PLTU TANJUNG AWAR-AWAR (2X350 MW)
	WEIGHING SENSOR	PLTU BANTEN 1 SURALAYA (1x625 MW)
	VALVE OUTLET COAL FEEDER	PLTU TENAYAN (2X110 MW)
19	CONVEYOR	
	BELT COVEYOR	PLTU INDRAMAYU (3x330 MW) PLTU TANJUNG AWAR-AWAR (2X350 MW) PLTU REMBANG (2X315 MW) PLTU TENAYAN (2X110 MW) PLTU PACITAN (2X315 MW) PLTU PAITON 9 (1X660 MW) PLTU BANJARSARI BAHTERA ADHI GUNA (BAG)
	MOTOR & PULLEY	PLTU JERANJANG (3x25 MW)
20	BOILERS WATER CIRCULATING PUMP	
	PUMP	PLTU PAITON 9 (1X660 MW)
	MOTOR	PLTU PAITON 9 (1X660 MW)
21	CONTINUOUS EMISSIONS MONITORING SYSTEM - CEMS	
	CEMS COMPLETE SET	PLTU TANJUNG AWAR-AWAR (2X350 MW) PLTGU MUARA TAWAR
	GAS ANALYZER	PLTU TANJUNG AWAR-AWAR (2X350 MW)
	MERCURY ANALYZER	PLTU TANJUNG AWAR-AWAR (2X350 MW) PLTU PAITON 9 (1X660 MW) PLTU PACITAN (2X315 MW) PLTU REMBANG (2X315 MW)
22	SHIP UNLOADER	
	SHEAVE (PULLEY)	PLTU PACITAN (2X315 MW) PLTU PAITON 9 (1X660 MW)
23	ELECTROSTATIC PRECIPITATOR (ESP)	
	IPC PANEL	PLTU BANTEN 2 LABUAN (2X300 MW)
	PIN WHEEL	PLTU PAITON 9 (1X660 MW)
	HAMMER, SPIRAL DE & NDE, GUIDE VANE	PLTU JABAR 2 PALABUHAN RATU (3x350 MW)
24	FLUE GAS DESULVURIZATION (FGD)	
	HYDROCYCLONE	PLTU TANJUNG JATI B UNIT 3 & 4 (2X660 MW)



02



Generator & Transformer

Catalogue

NO	EQUIPMENT/PART NAME	INSTALLED
1	GENERATOR & EXCITER	
	ROTOR GENERATOR	PLTU PANGKALAN SUSU (4X220 MW) PLTU BANTEN 2 LABUAN (2X300 MW)
	AC PUMP AIR SIDE GENERATOR	PLTU TANJUNG AWAR-AWAR (2X350 MW)
	AC PUMP H2 SIDE GENERATOR	PLTU TANJUNG AWAR-AWAR (2X350 MW)
	EMERGENCY PUMP AIR SIDE GENERATOR	PLTU TANJUNG AWAR-AWAR (2X350 MW)
	EMERGENCY PUMP H2 SIDE GENERATOR	PLTU TANJUNG AWAR-AWAR (2X350 MW)
	COIL STATOR	INDONESIA POWER KANTOR PUSAT PLTU PANGKALAN SUSU (4X220 MW)
	RETAINING RING	PLTU BANTEN 2 LABUAN (2X300 MW) PLTU BANTEN 3 LONTAR (3x315 MW) PLTU PACITAN (2X315 MW)
	HYDROGEN COOLER	PLTU BANTEN 1 SURALAYA (1x625 MW)

NO	EQUIPMENT/PART NAME	INSTALLED
	CARBON BRUSH	PLTU BANTEN 1 SURALAYA (1x625 MW) PLTU REMBANG (2X315 MW)
	MAGNETIC SPEED SENSOR	PLTU BANTEN 1 SURALAYA (1x625 MW)
	INNER OIL DEFLECTOR	PLTU BANTEN 3 LONTAR (3x315 MW)
	INTER TURN INSULATION	PLTU BANTEN 3 LONTAR (3x315 MW)
	STATOR COIL COOLING WATER PUMP	PLTU BANTEN 1 SURALAYA (1x625 MW)
	INSTRUMENT FOR GENERATOR & EXCITER	PLTU BANTEN 3 LONTAR (3x315 MW)
	ROTOR SPACER - INSULATION BLOCK	PLTU BANTEN 3 LONTAR (3x315 MW)
2	AUTOMATIC VOLTAGE REGULATOR (AVR)	
	MODUL CARD	PLTU BANTEN 1 SURALAYA (1x625 MW) PLTU HOLTEKAMP (2X10 MW) PLTU INDRAMAYU (3x330 MW)
	POWER CENTER SWITCHGEAR BREAKER	PLTU BANTEN 1 SURALAYA (1x625 MW)
	PROTECTION MODULE	PLTU BANTEN 1 SURALAYA (1x625 MW)
	INSTRUMENT INTERFACE UNIT	PLTU PAITON 9 (1x660 MW)
	CONTROL BOARD	PLTU TANJUNG AWAR-AWAR (2X350 MW)
3	TRANSFORMER	
	HIGH VOLTAGE (HV) BUSHING	PLTA ASAHAN 1 (2X90 MW) PLTU PAITON 9 (1x660 MW)
	TAP CHANGER	PLTU REMBANG (2X315 MW)
	CURRENT TRANSFORMER COMPONENT	PLTU BANTEN 3 LONTAR (3x315 MW) PLTU REMBANG (2X315 MW) PLTGU MUARA TAWAR (2050 MW)
	CIRCULATING OIL PUMP MAIN TRANSFORMER	PLTU TANJUNG AWAR-AWAR (2X350 MW)
	TRANSFORMER 6 KV	PLTA BRANTAS (275 MW)



03

Turbine & Cooling System

Catalogue

NO	EQUIPMENT/PART NAME	INSTALLED
1	CONDENSATE PUMP	
	PUMP	PLTU PAITON 9 (1x660 MW) PLTU BANTEN 2 LABUAN (2X300 MW)
	MOTOR	PLTU PAITON 9 (1x660 MW)
2	STEAM TURBINE	
	ROTOR HIGH INTERMEDIATE PRESSURE (HIP)	PLTU PACITAN (2X315 MW)
	LAST STAGE BLADE LOW PRESSURE (LP)	PLTU BARRU (2x50 MW)
	DIAPHRAGM LP	PLTU INDRAMAYU (3x330 MW)
	LABYRINTH SEAL	PLTU PAITON 9 (1X660 MW)
	JOURNAL & THRUST BEARING, TURBINE STEADY BEARING, BEARING PAD	PLTU BANTEN 2 LABUAN (2X300 MW) PLTU BANTEN 3 LONTAR (3x315 MW) PLTU REMBANG (2X315 MW) PLTU PAITON 9 (1X660 MW) PLTU TENAYAN (2X110 MW)
	VIBRATION & CONTROL SYSTEM	PLTU PANGKALAN SUSU UNIT 1&2 (2X200 MW) PLTU BANTEN 2 LABUAN (2X300 MW)
	MAIN LUBE OIL PUMP	PLTU BANTEN 1 SURALAYA (1x625 MW) PLTU BANTEN 3 LONTAR (3x315 MW) PLTU TANJUNG AWAR-AWAR (2X350 MW)
3	GOVERNOR & BYPASS VALVE	
	BYPASS VALVE & INNER PART	PLTU TANJUNG JATI B UNIT 3 & 4 (2X660 MW)

NO	EQUIPMENT/PART NAME	INSTALLED
	HP BYPASS STEAM CONTROL VALVE	PLTU PAITON 9 (1X660 MW)
	HP & LP GOVERNOR VALVE	PLTU INDRAMAYU (3x330 MW)
	ELECTROHYDROLIC SYSTEM	PLTU BANTEN 2 LABUAN (2X300 MW)
	ACTUATOR SERVO VALVE	PLTU BANTEN 1 SURALAYA (1x625 MW)
	TURNING GEAR DEVICE	PLTU BANTEN 3 LONTAR (3x315 MW)
4	CONDENSOR	
	TUBE	PLTU KETAPANG (2X10 MW)
	VACUUM PUMP	PLTU BANTEN 1 SURALAYA (1x625 MW)
5	DEBRIS FILTER ASSY	PLTU INDRAMAYU (3x330 MW) PLTU BANTEN 3 LONTAR (3x315 MW) PLTU TANJUNG AWAR-AWAR (2X350 MW) PLTU REMBANG (2X315 MW) PLTU PAITON 9 (1X660 MW)
6	CIRCULATING WATER PUMP (CWP)	
	MOTOR 6 KV	PLTU BANTEN 3 LONTAR (3x315 MW) PLTU BOLOK (2x16,5 MW)
	PUMP	PLTU BANTEN 3 LONTAR (3x315 MW) PLTU PAITON 9 (1X660 MW)
	HPU DISCHARGE VALVE CWP	PLTU BANTEN 1 SURALAYA (1x625 MW)
	DISMANTLING JOINT CWP	PLTU BANTEN 1 SURALAYA (1x625 MW)
7	HEAT EXCHANGER	
	PLATE	PLTU BANTEN 1 SURALAYA (1x625 MW) PLTU JATENG 2 ADIPALA (1x660 MW)
8	COOLING TOWER	PLTU TENAYAN (2X110 MW)
9	CONDENSOR TUBE CLEANING SYSTEM	
	PUMP	PLTU TENAYAN (2X110 MW)
	MOTOR	PLTU TENAYAN (2X110 MW)
	ADDITIONAL PARTS OF CTCS	PLTU PAITON 9 (1X660 MW) PLTU INDRAMAYU (3x330 MW)
10	BACKWASH PUMP FOR TRAVELING WATER SCREEN	
	PUMP	PLTU TANJUNG AWAR-AWAR (2X350 MW)
	MOTOR	PLTU TANJUNG AWAR-AWAR (2X350 MW) PLTU PAITON 9 (1X660 MW)
11	CLOSE CYCLE COOLING WATER PUMP	
	PUMP	PLTU BANTEN 1 SURALAYA (1x625 MW)
	MOTOR	PLTU PAITON 9 (1X660 MW)
12	OPEN CYCLE COOLING WATER PUMP	
	PUMP	PLTU TENAYAN (2X110 MW) PLTU REMBANG (2X315 MW)
	MOTOR	PLTU TENAYAN (2X110 MW)
	ADDITIONAL PARTS OF CTCS	PLTU INDRAMAYU (3x330 MW)



Tools

Catalogue

No	TOOLS	CUSTOMER
1	ROBOTIC THICKNESS SCANNING TOOLS	INDONESIA POWER KANTOR PUSAT
2	PORTABLE TEMPERATURE MEASUREMENT	PLTU BANTEN LONTAR
3	STATOR WEDGE ANALYZER	INDONESIA POWER KANTOR PUSAT
4	DISSOLVE GAS ANALYZER FIELD PACKAGE	PLN PUSERTIF
5	SUBSTATION ANALYZER TEST SET	INDONESIA POWER KANTOR PUSAT
6	DIELECTRIC RESPONSE ANALYZER	INDONESIA POWER KANTOR PUSAT
7	GRINDING / POLISHING MACHINE	PLN PUSERTIF
8	OIL TAN DELTA RESISTIVITY TESTER	PLN PUSERTIF
9	CT ANALYZER	INDONESIA POWER KANTOR PUSAT PT PEMBANGKITAN JAWA BALI

No	TOOLS	CUSTOMER
10	WINDING RESISTANCE METER	INDONESIA POWER KANTOR PUSAT
11	OIL BREAKDOWN VOLTAGE TESTER	PLN PUSERTIF
12	HYDRAULIC ELECTRIC PUMP	PLN UPK TIMOR
13	ELECTRIC FLEXIBLE BOLT HEATER	INDONESIA POWER KANTOR PUSAT
14	XYLEM MOTUS WAVE BUOY	IBERICA SOLAR P.E.R., S.L.
15	PORTABLE FLUE GAS ANALYZER	PT PEMBANGKITAN JAWA BALI
16	TANGEN DELTA GENERATOR TEST	PT PEMBANGKITAN JAWA BALI
17	ELEKTROMAGNETIC CORE IMPERFECTION DETECTION (ELCID)	PT PEMBANGKITAN JAWA BALI
18	WINDING RESISTANCE TEST 3 PHASE	PT PEMBANGKITAN JAWA BALI
19	SWEEP FREQUENCY RESPONSE ANALYZER	PT PEMBANGKITAN JAWA BALI
20	STATOR WEDGE ANALYZER	PT PEMBANGKITAN JAWA BALI
21	GATE VALVE GRINDING AND LAPPING MACHINE	PT PEMBANGKITAN JAWA BALI
22	CONE GLOBE VALVE SEAT GRINDING MACHINE	PT PEMBANGKITAN JAWA BALI
23	WELDING MACHINE (SMAW, FCAW DAN GTAW)	PT PEMBANGKITAN JAWA BALI





01

SOLAR PV



02

**INVERTER
(STRING/
CENTRAL)**



03

BATTERY



04

**AC DISTRIBUTION
& TRANSFORMER**

Portfolio



▶▶ **ROOFTOP SOLAR PV - PLTS Bali**



▶▶ **BATTERY BANK - PLTS Messah**



▶▶ **RADIATOR TRAFU EXITING - PLTA Mendalan**



▶▶ **TRANSFORMER BUSHING - PLTA Asahan - 1**

Highlight Experiences:

Power Plant Part & Consumables



HIP Rotor
PLTU PACITAN (2X315 MW)



Retainer Ring
PLTU LONTAR (3x315 MW)



Rectifier
PLTU TANJUNG JATI B UNIT
3 & 4 (2X660 MW)



CEMS Solution
PLTU TANJUNG AWAR-AWAR (2X350 MW)
PLTGU Muara Tawar (2050 MW)
PLTU PACITAN (2X315 MW)
PLTU PAITON 9 (1x660 MW)
PLTU REMBANG (2X315 MW), etc



HV Bushing
PLTA ASAHAN (2X90 MW)



Valve
PLTU PALABUHAN RATU 3 X 350 MW
PLTU PACITAN (2X315 MW)
PLTU TENAYAN (2X110 MW), etc



Gearbox
PLTU TANJUNG AWAR-AWAR (2X350 MW)
PLTU REMBANG (2X315 MW)
PLTU BANTEN 1 SURALAYA (1x625 MW)
PLTU LONTAR (3x315 MW), etc



Bearing
PLTU REMBANG (2X315 MW)
PLTU 2 BANTEN LABUAN (2X315 MW)
PLTU BANTEN 1 SURALAYA (1x625 MW)
PLTU LONTAR (3x315 MW), etc

Services



ESP Services
PLTU 2 BANTEN LABUAN (2X315 MW)
PLTU PALABUHAN RATU (3X350 MW)
PLTU JERANJIANG (3X25 MW)
PLTU TENAYAN (2X110 MW)
PLTU TANJUNG JATI B UNIT 1 & 2
(2X660 MW), etc



Labyrinth Rotor Generator
PLTU PANGKALAN SUSU
UNIT 1 dan 2 (2 x 200 MW)



Instalasi Wave Buoy
Project PLTS Terapung Cirata



Instalasi Debris Filter
PLTU TANJUNG AWAR-AWAR
(2X350 MW)
PLTU PAITON 9 (1x660 MW)
PLTU INDRAMAYU (3x330 MW)
PLTU LONTAR (3x315 MW)



Instalasi Belt Conveyor
PLTU TANJUNG AWAR-AWAR
(2X350 MW)
PLTU PAITON 9 (1x660 MW)
PLTU BANJARSARI (2x135 MW)
BAHTERA ADIGUNA

Renewable Energy Parts



Forwarding







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