

PERAK – GRATI GBU (Indonesia Power – Generation Business Unit)



PERAK - GRATI



Perak-Grati Generation Business Unit operationally main office is located in Desa Wates, Kec. Lekok Kabupaten Pasuruan which consist of Perak Steam Power Plant in Surabaya, Grati Combined Cycle Power Plant and Gas Power Plant in Pasuruan.

Type	Steam and Gas Power Plant
Area	East Java
Kind of Fuel	Diesel Oil and Natural Gas
Power Capacity	1. Perak SPP = 2 x 50.00 MW 2. Grati GTPP = 3 x 100.75 MW 3. Grati CCPP = 3 x 100.75 MW 4. Grati CCPP = 1 x 159.58 MW
Owner	PT. Indonesia Power
Shareholders	PT. PLN
Activity Since	See below
Contact	M. MURSYID - General Manager
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Web	www.indonesiapower.co.id

1. Perak – Steam Power Plant

Perak Power Plant is located in six hectare area of the industrial and business area near Tanjung Perak Harbour, northern coast of Surabaya, East Java. Plant's commercial operation commenced in 1964 when the two steam power plant (SPP) units (Unit 1 and Unit 2) were brought into commercial service to meet the electricity demand of Surabaya and other eastern Java region. Due to their low efficiency, however, they have not been used since 1995. The other units (Unit 3 and 4), are still being operated until now.



PLTU Perak

Jl. Nilam Barat no. 2-4, Surabaya, East Java, Indonesia

Phone : (62-31) 329-3071, 329-3072, 329-3073

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No. Unit	Turbine			Generator	COD	MW
	Manufacturer	Type	Serial Number			
1	Mitsubishi	IMP Single Cycle	N 1054	Mitsubishi	1978	50.00
2	Mitsubishi	IMP Single Cycle	N 1055	Mitsubishi	1978	50.00

2. Grati – Combined Cycle Power Plant



Grati CCGT Power Plant Indonesia is located at Lekok, Pasuruan Regency, East Java, Indonesia. Location coordinates are: Latitude= -7.6517, Longitude= 113.0244.

Grati Power Plant consist of one unit of combined cycle power plant (PLTGU) and three gas turbine generators for use in open cycle (PLTG). The gas turbine has been designed for dual firing using both natural gas or high speed diesel oil. Since October 2009 Grati Power Plan received 60 Bbtud of natural gas from Santos PTE LTD. But Grati still using HSD, sent from offshore facility via tanker (approximately 4 km from Grati location). Initial operation GT#2.1,#2.2 dan #2.3 since 2002. The power plant was build in a 70 hectare site in Pasuruan, which made up 35 hectares of natural Grati coast area and 35 hectares of reclaimed land.

PLTGU Grati

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No. Unit	Turbine			Generator	COD	MW
	Manufacturer	Type	Serial Number			
1	MHI Japan	GT-1.1 M701	T 375	Siemens	1996	100.75
2	MHI Japan	GT-1.1 M701	T 376	Siemens	1996	100.75
3	MHI Japan	GT-1.1 M701	T 377	Siemens	1996	100.75
4	MHI Japan	ST – 1	TC2F-33.5	Siemens	1996	159.58
5	MHI Japan	GT-1.1 M701	T 378	Siemens	2002	100.75
6	MHI Japan	GT-1.1 M701	T 379	Siemens	2002	100.75
7	MHI Japan	GT-1.1 M701	T 380	Siemens	2002	100.75

Sources :

1. <http://www.indonesiapower.co.id> 2. <http://www.pln.co.id/> 3. PLN power plant inventory list 4. Other websites