



Timor-1 - Thermal Power Plant

Steam Turbine Power Plant

Project Description

- 2 x 50 MW Thermal Power Generation
- First Synchronisation to grid in August 2023



Timor 1 – 2 x 50 MW Thermal Power plant is an important milestone in the strengthening and stabilisation of Timor Island grid.

Role & Scope

- Supervision & consultancy of electrical installation work
- Commissioning of generator protection systems
- Commissioning of synchronisation system
- Commissioning of brushless excitation and automatic voltage regulator system
- Commissioning of DC distribution system including Battery-System and Inverters

Highlights & Benefits

High degree of flexibility paired with proven commissioning know-how as well as great communication skills enables INP Specialists to excel in challenging project environments and lead projects like this to successful completion.

Technical Component Details

- 2 x Siemens Energy SST-600 Steam Turbine
- 1 x Siemens Energy SGen5-100, Sn = 74 MVA Generator
- 2 x Siemens Siprotec-5, 7UM85 Generator Protection System
- 2 x Siemens Siprotec-4, 7VE61 Synchronisation System
- 2 x Brushless Excitation System Siemens RG3-S
- 2 x Turbine sub distribution – 220VDC System

REFERENCE



Customer: **Siemens Energy**



Location: **West Timor, Indonesia**



Project Duration: **6 months**



Services: **Installation
Supervision and Commissioning
of Electrical Power Systems**

“We were very pleased with the commissioning performance INP Schweiz provided for the Timor project. The INP Specialist demonstrated professionalism with clear instructions, reporting and customer support.”

ARMAN M., PROJECT MANAGER
SIEMENS ENERGY