



Ishinomaki Biomass

Biomass Power Plant

Project Description

- Renewable Energy Production
- 75 MW Peak Power Plant – Steam Turbine & Generator



Japan is investing heavily in the reduction of CO2 output. An important measure is taken by putting biomass power plants into operation.

Role & Scope

- Commissioning of electrical protection systems (Siprotec-4)
- Commissioning of electrical synchronisation system (Siprotec-4)
- Commissioning of electrical balance of plant (eBoP)
- Commissioning LV and MCC Switchboards
- Commissioning of brushless AVR System, Siemens RG3-S
- Electrical Generator Protection & Synchronisation Commissioning

Highlights & Benefits

Profound resource availability paired with specialist know-how, particular in the field of electrical commissioning, allows INP clients to complete large scale projects in reduced execution time.

Technical Component Details

- 1x SST-700/SST-600 steam turbine
- 1x SGen5-100, 75 MW Generator
- 7UM62, Siemens Siprotec-4 Generator Protection
- 7VE62, Siemens Siprotec-4 Synchronisation
- Generator Circuit Breaker (GCB)
- Brushless Excitation System Siemens RG3-S
- Power Transformers
- Electrical LV Switchgear & MCC's

REFERENCE



Customer: **Siemens Energy**



Location: **Ishinomaki, Japan**



Project Duration: **3 months**



Services: **Commissioning**

"I appreciate the strong technical skills of INP Electrical Commissioning Engineers. INP experts were a key component to drive the commissioning forward."

AYUMU S., PROJECT MANAGER
SIEMENS ENERGY JAPAN