



Jimah 3B, Malaysia



Key facts about the plant

- 2x1000 MW ultra-supercritical coal fired power plant
- Owner: Jimah East Power Sdn Bhd (JEP)
- Contractor: Hyundai Engineering CO., LTD.



JIMAH
EAST POWER



HYUNDAI
ENGINEERING CO., LTD.

Key facts about the chimney

- Completed in 2017
- Concrete chimney
- Cylindrical shape
- H 160m
- Outer $\varnothing = 23.3\text{m}$ (bottom), 23.1m (top)
- 2 carbon steel liners, $\varnothing = 9,150\text{mm}$ each with borosilicate protection

The Jimah East power project, known as the Tuanku Muhriz power station, is a 2000MW ultra-supercritical coal fired power station located in Port Dickson, Negri Sembilan, Malaysia, approximately 80km away from Kuala Lumpur.

It is owned and operated by Jimah East Power (JEP), a joint venture of Tenaga Nasional Berhad (TNB), Mitsui and Chugoku Electric Power.

A consortium of Toshiba Corporation, IHI Corporation, Hyundai Engineering Co.,Ltd. and Hyundai Engineering & Construction Co.,Ltd. was awarded this project by Jimah East Power in September 2014.

In this power plant, FERBECK has been awarded an EPC contract of a 160 meter-high-concrete chimney by Hyundai, as well as two 47 meter-high-concrete silos*.



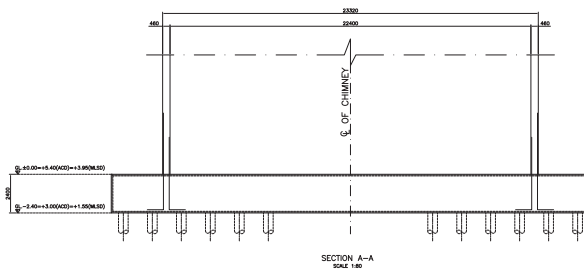
* see Jimah 3B concrete silos project report



Foundation

The foundation is made of 1,755m³ of concrete with the following size:

- 29.7m x 29.7m
- h 2.4m at EL.-2.4m



Concrete shell

The outer concrete shell is made of 4,620m³ of concrete with the following size:

- 23.3m (bottom), 23.1m (top) of external diameter
- h 60m

The casting is performed with a slipform operating 24/7.





Platforms

4 platforms and 1 walkway are installed inside the structure:

- roof platform at EL.+155.0m
- support platform at EL.+149.0m
- CEMS platform at EL.+120.0m
- AWL and guide platform at EL.78.0m
- inspection walkway at EL.+39.0m



Liner

The chimney has 2 carbon steel liners with $\varnothing = 9,150\text{mm}$ each. The liner protection is borosilicate directly applied on internal surface.





| Overview of the plant

