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.

Key facts about the silo

- Completed in 2017
- Twin fly ash concrete silos
- H 47m
- Outer Ø = 19.8m
- 8,900m^3 capacity for each storage

The Jimah East power project, known as the Tuanku Muhriz power station, is 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 two 47 meter-high-concrete silos by Hyundai, as well as a 160 meter-high-concrete chimney*.

The scope of work includes:

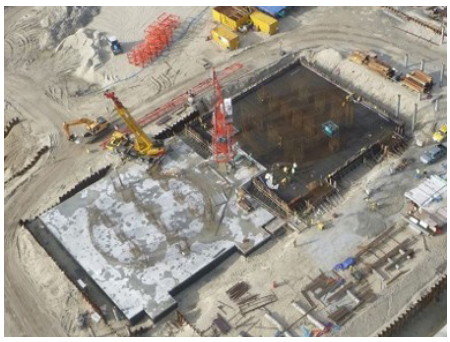
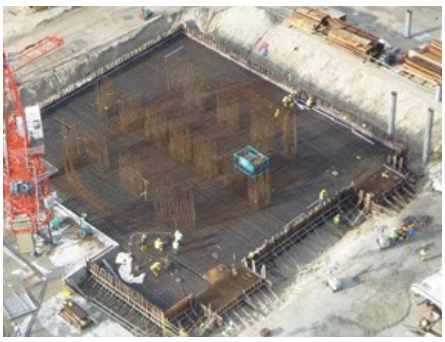
- foundation
- concrete shell
- slabs and roof

** see Jimah 3B concrete chimney project report*

Foundation

The foundation is made of 3,105m^3 of concrete with the following size:

- two silo areas 27.6m x 27m
- h 2m at EL.-1.8m
- junction area of 9.2m x 9m
- h 1.5m at EL.-1.3m

Concrete shell

The two outer concrete shells are made of total 2,600m^3 of concrete with the following size:

- 19.8m each of external diameter
- h 47m each

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





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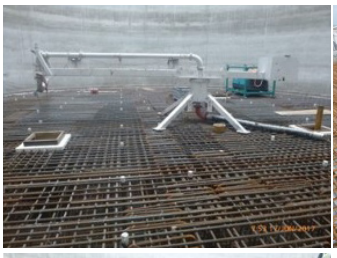
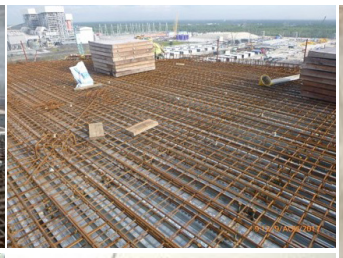
Slabs and roof

3 slabs are installed inside each structure:

- roof slab at EL.+46.6m
- floor slab at EL.+12.7m
- unloader slab at EL.+6.1m


Overview of the plant

The Jimah East power project is a 2000MW ultra-supercritical coal fired power station.