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 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.

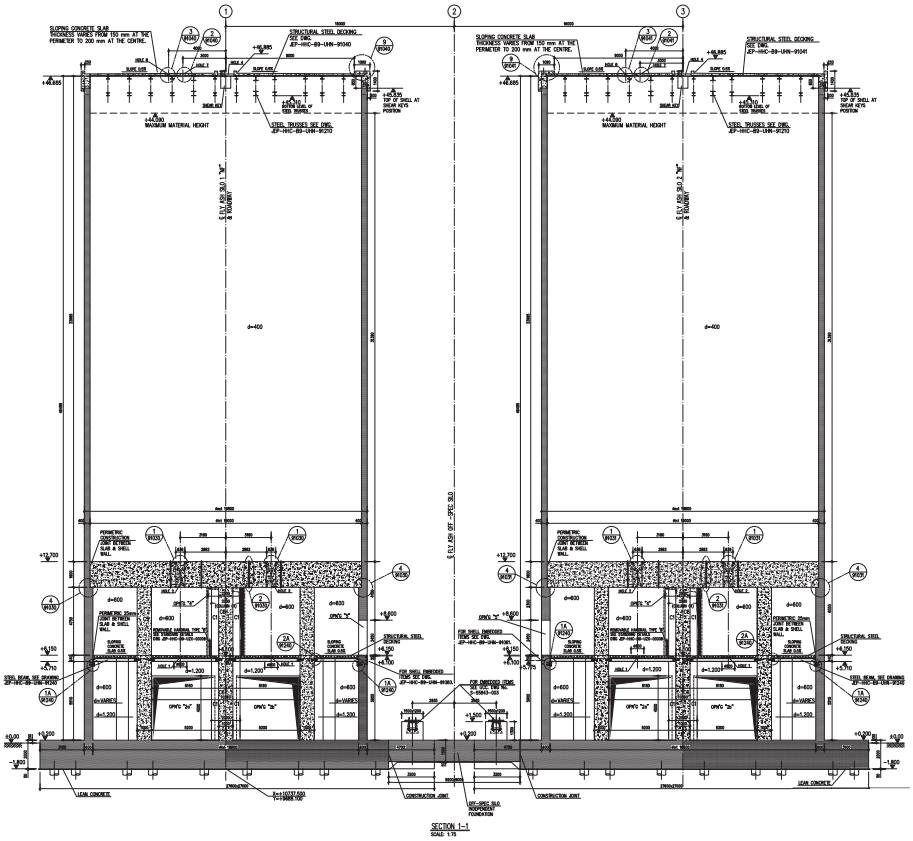
In this power plant, FERBECK has been awarded an EPC contract of two 47 meter-high-concrete silos by Hyundai, as well as a 160 meter-high-concrete chimney*.

** see Jimah 3B concrete chimney project report*

Concrete silo

FERBECK's scope of work includes:

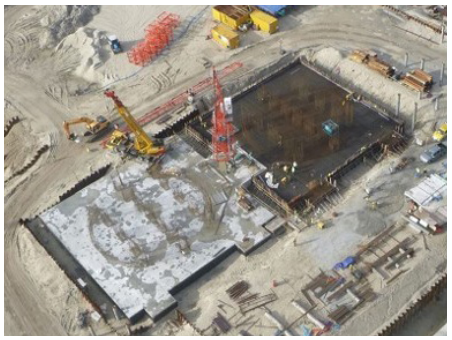
- foundation
- concrete shell
- slabs and roof



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

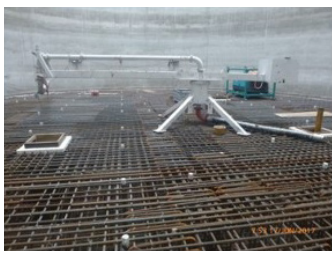
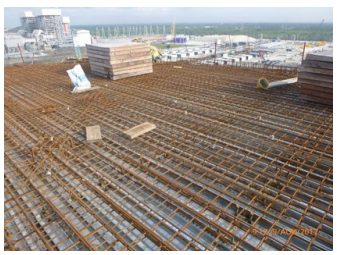
The casting is performed with a slipform operating 24/7.





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