



## Chittagong, Bangladesh



### Key facts about the plant

- 2x612MW ultra-supercritical coal-fired power plant.
- Owner: SS Power I Ltd, China
- Contractor: SEPCOIII, China



### Key facts about the silo

- Completed in 2022
- 2 fly ash concrete silos
- H 27.9m
- Outer Ø = 15.6m
- 2650m3 capacity for each storage

The Chittagong power plant is located on the banks of the Bay of Bengal, approximately 70km south of the Chittagong port city in the Banskoli sub-district of the Chittagong district, Bangladesh.

The project is being developed on a built, own and operate (BOO) model through a joint venture between S. Alam Group and SEPCOIII (Shandong TIEJUN Electric Power Engineering Company Limited), China along with HTG Development Group, China. It is a project under China's ambitious Belt and Road Initiative.

FERBECK INTERNATIONAL SA has been awarded a procurement and construction contract for two 27.9 meters-height flue-gas desulfurization by SEPCOIII, China.

The scope of work includes:

- foundation
- concrete shell
- slabs and roof





## **| Foundation**

The foundation is made in concrete with the following size:

- 40.6m x 25m
- h 1,6m



## **| Concrete shell**

The two outer concrete shells are made with the following size:

- 15,6m each of external diameter
- h 27,6m each

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

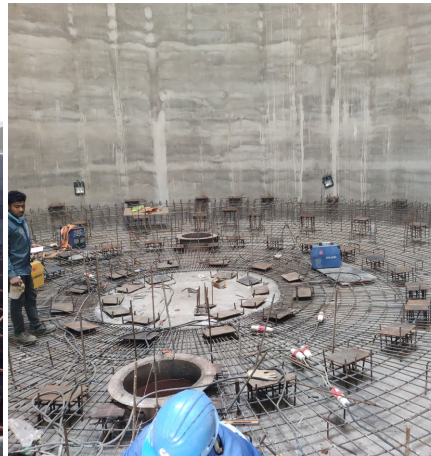




## **| Slabs and roof**

3 slabs are installed inside each structure:

- roof slab at EL.+27m
- main slab at EL.+12.5m supported by 4 columns each, size 1.2m x 1.2m
- operating floor slab at EL.+7m



## **| Overview of the plant**

The Chittagong power plant is a 1.32GW coal-fired power generation facility. At full capacity, Chittagong coal-fired power project is expected to generate up to 10 billion kWh of electricity a year

