

Fast Track 3A Coal Fired Power Plant

Manjung, Malaysia

Keller demonstrated high standards of safe work practices and complied to the stringent safety requirements outlined by the Client. Cost optimization achieved by mixing a combination of mechanical and hydraulic rigs to execute the works.



The project

The Fast Track 3A is an Engineering, Procurement & Construction (EPC) Contract to design and build a large-scale 1,000MW Coal Fired Power Plant in Manjung, Perak, about 288km northwest of Kuala Lumpur. Daelim (M) Sdn. Bhd. is awarded as EPC contractor for this project with the support from Daelim Industrial Co. Ltd., Sumitomo Corp., and Sumi-Power Malaysia Sdn. Bhd. Keller designed and built the foundations supporting three buildings: the Steam Turbine Generator; Culvert Box; and Chimney Building.

The challenge

The job site is generally underlain by loose to medium dense sand near the surface, underlain by stiff marine clay. Traces of decomposed wood and seashell fragments were encountered 40 m to 60 m below the ground. There was also stringent safety requirements due to the live plant next to the working area.

The solution

Keller installed 216 nos. of Bored piles, 1m in diameter. The piles were installed to depths of 62m. Keller completed the work within 4 months, working 24 hours.

Project facts

Owner(s)

TNB Western Energy Berhad

Keller business unit(s)

Keller ASEAN

Main contractor(s)

KM Dunia Baru (M) Sdn. Bhd.

Solutions

Bearing capacity / settlement control

Markets

Power

Techniques

Bored piles

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