

Medupi Power Plant

South africa



General contractor

Hitachi Mitsubishi

Customer/Owner

ESKOM

Engineer

Freyssinet South Africa

Freyssinet subsidiary

Freyssinet Posten (Pty) Ltd

Others subsidiaries

Hebetec

Works period

Start date: March 2010

End date: July 2018



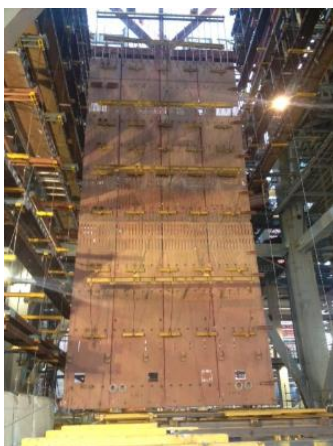
PROJECT DESCRIPTION

Forth largest coal fired Power Station in the world.

Each Power Station will generate 4800 megawatts once complete. Eskom can currently supply 45000 megawatts. The new Power Stations will add over 20% to the grid.

Medupi is estimated to cost R170 billion and Kusile is estimated to cost R122 billion but will most likely cost more.

At any given time, there are between 10 and 16 thousand construction personnel working on each Power Station.



FREYSSINET MISSION

Freyssinet is responsible for lifting the Grillage as well as all the internal pressure parts. From first lift to last lift could take anywhere from 18 month to 28 months depending on the main contractors progress. The lifts are separated into 9 sections:

Roof - 100 Tons

Grillage - 1400 Tons

Upper Buck-stays - 880 Tons (4 parts)

Vertical Walls - 600 Tons (4 parts)

Element Bundles - 2700 Tons (9 Parts)

Transition Pieces - 80 Tons (4 parts)

Lower Buck-stays - 800 Tons (4 parts)

Spiral Walls - 880 Tons (88 parts)

Hopper - 480 Tons (2 parts)

