

Turbine & Generator Installation, Rajasthan, India

Owner: Aditya Cements, Chittorgarh, Rajasthan
Our Client: Texcel & Bharat Heavy Electricals Ltd.



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POWER 24

Fagioli PSC were contracted by Texcel Engineers on behalf of Bharat Heavy Electricals to install a turbine weighing 48 tonnes and a generator weighing 68 tonnes at Aditya Cements Plant in Chittorgarh, India.

The installation of the generator involved lifting it by 10m from the ground level to the Turbine & Generator deck level, using four Fagioli PSC L50 strand jacks mounted on a purpose built support structure and travelling frame arrangement. After lifting to just above full height, the travelling frame together with the generator were pulled into position just above final location using two L15 jacks.

The L100 jacks were then re-activated to lower the generator onto its supports and to transfer the load from the travelling frame. An identical lifting arrangement was then used to install the turbine.

Fagioli PSC's strand jacking method is the ideal solution for erection activities for applications in the power industry such as:

- Ceiling Girders
- Boiler Steam drums
- HRSG boiler modules
- Turbines
- Generators
- Chimney Flue Liners



Top: Lifting of generator
Directly above: View of L15 pulling jack
Below: Skidding of turbine



Above left to right: Turbine lift and generator lift