

# Lifting of Boiler Drum, Tata Projects Ltd, Vindhyachal Unit IX

**Client:** Tata Projects Limited, Vindhyachal

**Contractor:** Bharat Heavy Electrical Limited (BHEL)

**Owner:** National Thermal Power Corporation (NTPC)



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POWER 22



**Left:** Initial view of boiler drum

**Bottom left:** View from top

**Bottom right:** Strand Jack on crosshead beam

Tata Projects Limited was associated with the erector of India's first 500mw indigenous steam generator Unit VI for Tata Power's Trombay Plant in 1988. Since then they are known to use progressive construction methods.

In 2004 when Tata Projects Limited were awarded the contract for unit IX of NTPC Vindhyachal Super Thermal Power Plant, Unit IX, they decided to use the services of Fagioli Strands Jacks to lift the steam drum, instead of the conventional winch and rope method.

In August 2004, Fagioli PSC India Pvt. Limited, operating from a height of 90 metres, lifted the 240 tonne steam boiler drum to a height of 76 metres in less than 10 hours. This was done with the help of 2 x L180 hydraulic jacks powered by PSC L4/15D Power pack.



Similar steam boiler drums will be lifted and erected later in the year as part of the same project.