

## Air power for Karcham - Wangtoo hydroelectric project

ELGI's 1100-350 skid compressors are helping BUMI Developers, a renowned construction company, in the creation of spillway for a mega hydroelectric power station in Himachal Pradesh (HP), India. This site is situated at an altitude of 2000 m above sea level.



ELGI has been at the forefront in building the country's power resources by providing world class compressed air solutions. The company has gained a great deal of know-how and has already established a reputation as an ideal partner for the supply of air compressors in major power projects. In addition to its state-of-the-art air compressors, ELGI has also the capability to provide countrywide after sales and service.

The 1000 MW Karcham-Wangtoo hydroelectric project is India's largest private venture in the hydroelectric power generation. Under this project, a 98 m high dam has been constructed on the Sutlej river in Kinnaur district of HP.

At an elevation of 2,000 m, the dam site is near the highest peak in HP. The reliability and ruggedness of the compressor was a deciding factor in its purchase by BUMI Developers (I) Pvt Ltd. BUMI, a leading construction company with a wide presence in South, South East Asia and Middle East, is the main drill and blast contractor for this project. The contractor's need for continuous and trouble-free operation of compressors in extreme conditions of remote site has been aptly met by ELGI.

Designed to work in extreme temperature, ELGI's skid compressor has ensured trouble-free performance. The 1100-300 skid compressor has been used for supplying power for drilling and blasting. The compressor with a working pressure of 300 psig delivers 1100 cfm of high pressure air sufficient for 6" – 8" down- the-hole drilling. Moreover, the engine and airo outputs have been optimized to ensure reduced fuel consumption and increased reliability.

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