

India

Republic of India

Accepting Challenges for a Better Life

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The outlook for India's long-term economic growth is moderately positive due to a young population and corresponding low dependency ratio, healthy savings and investment rates, and increasing integration into the global economy.

As of today only about 19% of the technically feasible hydropower potential is developed and only 12% of the electricity generation comes from this renewable energy resource. This shows that India has still a very large potential for the development of hydropower projects and is therefore offering interesting investment opportunities.

ANDRITZ HYDRO in India

ANDRITZ HYDRO has been active in the Indian market for more than 100 years. The first delivery was for HPP Shivasamudram in 1903. Mid 1970s, ANDRITZ HYDRO opened an office in the city of Mandideep, whereas the



› Challenging transportation

company headquarters have been in New Delhi since 1996. In Prithla, in the district of Palwal, ANDRITZ HYDRO operates very successfully a manufacturing workshop. Almost 600 units with a total capacity of about 16,700 MW were installed or rehabilitated by ANDRITZ HYDRO, which represents about 40% of the country's total installed capacity.

The largest executed projects were HPPNathpaJhakri with 4×336 MW, HPP Karcham Wangtoo with 4×250 MW, HPP Teesta Urja II with 6×200 MW, HPP Baglihar with 3×150 MW, and HPP Bhira with 1×164 MW.

Selected large orders for generators were HPP Teesta 3 with 6×222 MVA, HPP Chamera I with 3×200 MVA, and HPP Nagjhari with 3×166 MVA.

HPP Shongtong Karcham: In March 2015, ANDRITZ HYDRO received an order from Himachal Pradesh Power Corporation Ltd. (HPPCL) to supply the complete electro-mechanical equipment for the new 450 MW Shongtong Karcham run-of-river hydropower plant in Himachal Pradesh.

Himachal Pradesh is one of the most important hydropower regions in India, representing roughly one quarter of India's total hydropower potential.

This order is the third large project from HPPCL for ANDRITZ HYDRO. It follows the projects HPP Sawra Kuddu and HPP Kashang, which are currently under execution by ANDRITZ HYDRO.

Today ANDRITZ HYDRO holds a leading position in India's hydropower sector. The company is developing more than 20 large projects, service and rehabilitation projects, and compact projects in the Indian market. The two state-of-the-art manufacturing workshops are mainly responsible for manufacturing and supplying to the projects to India, its neighbouring countries and entire Southeast Asia. ■

› Powerhouse of HPP Teesta III



INDIA FACTS

1,295 Mio.	Population
78.7%	Access to electricity
43,300 MW	Installed hydro capacity
12,372 MW	Hydro capacity under construction
12%	Share of generation from hydropower
125,000 GWh	Hydro generation
660,000 GWh	Technically feasible hydro generation potential