

WEG SUPPLIES \$100M PACKAGE OF PUMP MOTORS, CONTROL PANELS & BRAKES FOR WORLD'S LARGEST IRRIGATION PROJECT

WEG is supplying 160 large (MW) synchronous vertical motors, plus excitation panels and brake systems, for use on pumps in the HNSS Project in Andhra Pradesh, India, one of the largest irrigation projects in the world.

The HNSS project is funded by the Indian Government in association with the World Bank. It will take water from the Krishna and Godavari rivers to serve land mostly in the state of Andhra Pradesh. When complete, the project will irrigate an area of 2500 square kilometres - equivalent to 170,000 football fields - bringing direct benefits to more than 80-million people. WEG's synchronous vertical motors are used on the project to power high capacity pumps supplied by Kirloskar Brothers, the largest manufacturers of hydraulic pumps in India. The initial project stage, from April 2007, called for 32 WEG high voltage motors, together with excitation panels and brake systems.

This was followed in the second stage by WEG supplying a package of 2000-tons of equipment to the project, including 64 motors as well as excitation panels and brake systems.

By project completion, WEG expects to have installed about 160 high voltage motors, in the range 1.7 to 12MW, all over Andhra Pradesh. This will make the HNSS project the largest that WEG has ever supplied to India, and at a value of at \$100 million, one of the biggest packages ever negotiated by WEG.

WEG SYNCHRONOUS MOTORS

WEG's synchronous motors provide the ideal package of reliability and efficiency in demanding applications such as the HNSS project. Manufactured with highly robust and solid steel frames that withstand the most severe operating conditions, they deliver low operating and maintenance costs - this due to their ability to provide high efficiency operation in applications that require power factor correction, high torques and constant speed under load variation.

The performance of the synchronous motors in converting electric energy into mechanical power is also more efficient, resulting in significant energy saving across a wide variety of loads. In addition to the day-to-day reduced running costs this provides, the savings also ensure a faster return on investment (ROI) time for the user.
