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The oil-free Kaplan runners for Xayaburi are the largest and most powerful built to date.

Installation of the generator rotor into the generator pit requires absolute precision and know-how.

With 1,285 MW,
Xayaburi is going
to be the most
important hydroelectric plant on
the Mekong River.



"After completion Xayaburi will provide about 7,300 GWh per year of electricity for more than 3 million households."

operation. After wet commissioning, the 60 MW EdL unit is currently in the trial run phase. The trial run consists of continuous full load and start/stop sequences.

The non-unit related auxiliary systems are highly complex. Ranging from electronics systems such as telephone, video, and data transmission to mechanicals like waste and potable water supply systems they are being finalized with the installation and commissioning of Xayaburi.

From July 2019 onwards, important developments have been implemented with the finalization of the units #7 and #8, as well as all auxiliary systems. This completes the scope of the contract through to the Commercial Operation Date (COD), scheduled for the end of October 2019.

An important addition to the original scope of the contract for ANDRITZ Hydro was the auxiliary powerhouse with two 4 MW Compact units to facilitate fish upstream migration. This installation enables the upstream migration of fish through the Xayaburi Mekong River power station. With the local population largely relying on fishing, bypass facilities are an essential criteria for future Mekong River power plants. ANDRITZ Hydro makes a significant contribution to this

TO KNOW:

Cultural competences and the successful integration of different teams is of the utmost importance in big construction projects such as Xayaburi. ANDRITZ Hydro is working at this site with a global team of up to 1,200 employees from many different nations. To emphasize these strong relationships, local festivities and social needs are respected and celebrated together.

In July 2019, CK Power and XPCL together with CH Karnchang Laos, the local government, religious representatives and the public joined ANDRITZ Hydro staff at the Xayaburi site to hold a celebratory opening ceremony for the Buddha Pavillion on the upstream side of the power station.





TECHNICAL DETAILS

Xayaburi:

Total Output: 1,285 MW

Scope: $7 \times 175 \,\text{MW} / 1 \times 60 \,\text{MW} / 2 \times 4 \,\text{MW}$

Voltage: 16 kV/13.8 kV

Head: 39 m

Speed: 83.33 rpm/150 rpm

Runner diameter: $8,600 \, \text{mm} / 5,050 \, \text{mm} / 1,600 \, \text{mm}$



important part of the Xayaburi Station. The auxiliary units, which create attraction flows for upstream fish migration, also produce the electrical energy required to run the complete station services, including seven large 1MW pumps.



AUTHOR

Karl Ernst

