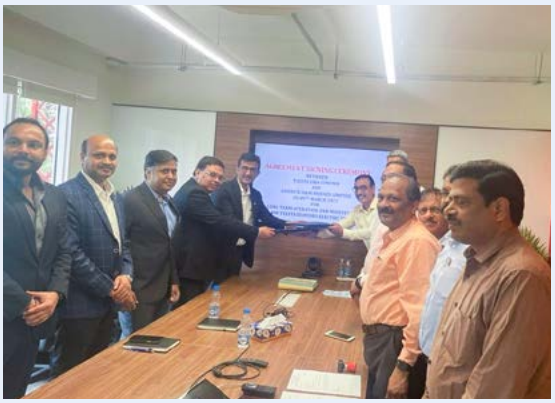
O&M contract for Teesta Stage III in India

ANDRITZ recently signed a long-term operation and maintenance agreement with Sikkim Stage Limited (SUL) for the 1,200 MW Teesta Stage III hydroelectric power plant in Sikkim, India. This 15-year agreement reflects SUL's confidence in ANDRITZ' performance and includes advanced digital monitoring through ANDRITZ' state-of-the-art Metris DiOMera platform.

In 2007, ANDRITZ was awarded a contract for the electromechanical equipment for the project, and since its commissioning in 2017, ANDRITZ has been responsible for the plant's complete operation and maintenance. The plant achieved its highest-ever electricity generation in 2021-22, exceeding the defined targets and earning the customer's appreciation.

With an annual energy production of 5,300 GWh, Teesta Stage III is one of India's largest hydropower plants, operating under challenging hydrological conditions. This agreement highlights ANDRITZ' commitment to excellence and strengthens its position in the operation and maintenance market. The use of digital solutions underscores ANDRITZ' dedication to increase performance and reliability.



ANDRITZ' expertise and digital solutions make it a preferred partner for power plant owners and operators. This agreement showcases SUL's trust in ANDRITZ for long-term plant management and optimization.

As the world seeks cleaner energy sources, collaborations like this contribute to a greener future. ANDRITZ' commitment to sustainability ensures the continued performance of the Teesta Stage III power station and its role in India's energy security.

PSPP Forbach, Germany

Great potential for energy transition and security of supply

ANDRITZ and EnBW (Energie Baden-Württemberg AG) signed a contract for the modernization of the hydropower plant Forbach in Germany. The existing Rudolf-Fettweis-Werk, a storage and run-of-river plant, will be extended to a top-modern pumped storage power plant.

The contract includes the supply, installation, and commissioning of a 56 MW pump turbine including generator and necessary auxiliaries. The pump turbine, along with a frequency converter, offers a wide operating range and high flexibility to respond quickly to power grid demands. The existing turbine sets, after a century of service, will be decommissioned to preserve the historical power plant building and its penstock. They will be replaced by a 56 MW variable speed pump turbine and three additional turbine sets of 13 MW, 6.7 MW, and 3.1 MW, housed in a new cavern power plant.

This order is technologically significant for ANDRITZ as it involves one of the few variable-speed pump turbines in operation worldwide, providing enhanced operational flexibility and efficiency for the power plant.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Success for synchronous condensers in Brazil

In the first half of 2023, ANDRITZ received several contracts for synchronous condensers in Brazil.

One contract was signed with Sterlite Power Brazil, an important Indian developer of integrated power transmission infrastructure projects. ANDRITZ will be responsible for the supply, installation, and commissioning of a synchronous condenser, excitation systems, control and protection systems, step-up transformers, and electrical and mechanical auxiliaries for the Cachimbo and Novo Progresso substations located in the state of Pará. The construction of these substations, each with a voltage of 230 kV, will enable the expansion of the consumer market in the regions of Mato Grosso and Pará.

In partnership with TAESA, a Brazilian company active in the electricity transmission sector, ANDRITZ will supply a synchronous condenser for the Encruzo Novo 230 kV substation. This is part of the power transmission project that will ensure energy supply to the regions of Açailândia, Buriticupu, Vitorino Freire (MA) and Dom Eliseu (PA) in the northwest region of the state of Maranhão.

Another contract was signed with Zopone Group for three synchronous condensers to increase grid stability in the Acre region. ANDRITZ will supply one synchronous condenser for the Tucumã 230 kV substation, and two for the Feijó 230 kV substation. Read more about the last two projects on page 26 of this issue.