Tedzani III

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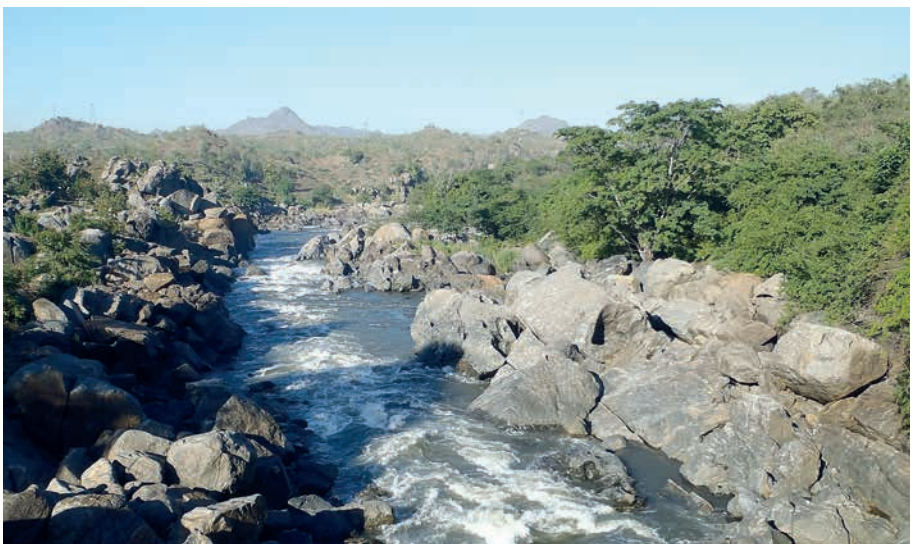

Shire River

Machine hall before rehabilitation

Malawi – The Electricity Supply Corporation of Malawi Ltd (ESCOM) and ANDRITZ HYDRO signed a contract for rehabilitation, modernization and upgrading of the Tedzani III hydropower station in March 2016.

HPP Tedzani III is located in southern Malawi, about 100 km northwest of the city of Blantrye – Malawi's center of finance and commerce and the second largest city in the country. The majority of the country's hydropower stations are located on the Shire River; such as HPPs Nkula A and Nukla B, HPPs Tedzani I, II and III, and HPP Kapichira. Impressively, more than 90% of Malawi's power generation comes from hydropower.

ESCOM will execute the Tedzani III project together with ANDRITZ HYDRO as the original equipment manufacturer (OEM). The existing units were first commissioned in 1995–1996. ANDRITZ HYDRO will be responsible for design, manufacturing, supply, installation, and commissioning of a completely new control and SCADA system, new excitation, protection and synchronization systems, as well as specifically defined repair and replacement works on turbines and generators.

All installation works will be done by local ESCOM staff under supervision of ANDRITZ HYDRO. Specialist training in Malawi as well as in Austria also forms part of the contract. A project team from ANDRITZ HYDRO Austria is committed to complete the project within less than 20 months, so the Tedzani III hydropower plant will be put back into operation by the end of 2017.

Following the projects HPP Nukla A, HPP Tedzani I and II and HPP Wovwe, the order for HPP Tedzani III is the fourth contract for ANDRITZ HYDRO in Malawi. Recently, a further contract for a Generation Control and Monitoring System (GCMS), which is interfacing with all ESCOM hydropower plants has been awarded to ANDRITZ HYDRO. As such it underlines the technological know-how and confirms the high professionalism of ANDRITZ HYDRO employees.

TECHNICAL DATA

Output	2 × 25.6 MW
Head	44.80 m
Speed	187.50 rpm
Runner diameter	2,950 mm