

Solu

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Nepal – ANDRITZ HYDRO has won a contract from Upper Solu Hydro Electric Company Pvt. Ltd. for the supply of electro-mechanical equipment for the Solu run-of-river power plant, located on the Solu Hola River in the Solukhumbu District of Nepal.

In order to end the energy crisis in the country, the Department of Electricity Development (DoED) has de-

veloped a program to develop projects under a BOOT (Build-Own-Operate-Transfer) scheme. Upper Solu Hydro Electric went through such a bidding process and won one of the eight tendered projects.

The scope of delivery for ANDRITZ HYDRO comprises two 11.75 MW vertical Francis turbines, generators, governors, main and auxiliary transformers, 145 kV GIS system, switchgear, as well as control and protection system. Under the terms of the contract, other supply includes inlet valve, cooling water system, auxiliary and associated secondary equipment.

Commissioning of the project is scheduled for mid-2018.

TECHNICAL DATA

Output	23.5 MW/27.65 MVA
Head	218.66 m
Speed	750 rpm
Runner diameter	906 mm



Su Pan 1

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Vietnam – Viet Long Industry Joint Stock Company has signed a contract with ANDRITZ HYDRO for the supply of electro-mechanical equipment for the Su Pan 1 hydropower plant, located on the Bo River in the Vietnamese province of Lào Cai.

HPP Su Pan 1 has an underground powerhouse, which ANDRITZ HYDRO will equip with two vertical 15 MW Francis turbines, generators, governors, and both main and auxiliary transformers. Additionally, the scope of supply includes a 110 kV switchyard system, 11 kV switchgear equipment, control and protection systems, inlet valve, and cooling water system,

as well as auxiliary and associated secondary equipment.

Commissioning of the project is scheduled for mid-2017.

TECHNICAL DATA

Output	2 × 15 MW
Voltage	11 kV
Head	229.2 m
Speed	600 rpm
Runner Diameter	1,038 m



Hatillo

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Dominican Republic – ANDRITZ HYDRO has received an order for the 10.7 MW Hatillo small hydro-power plant, located on the Río Yuna in the Dominican Republic. In order to increase the output of the existing unit, the owner, Empresa de Generación Hidroeléctrica Dominicana (EGEHID), decided to add a new powerhouse together with a new generation unit.

ANDRITZ HYDRO's scope of supply comprises a new penstock with a bifurcation, new gates for the spillway, a crane for the new powerhouse, and the rehabilitation of an existing draft tube, as well as erection of existing components such as the turbine, generator and power transformer. ANDRITZ HYDRO will supply new hydraulic pressure units, control equipment, SCADA system, EPS equipment, as well as fiber optic and lightning systems for the new powerhouse. Erection, erection supervision, commissioning, and training are also part of the contractual scope. The project is scheduled to be completed in spring 2017.



TECHNICAL DATA

Output	10.7 MW
Head	30.6 m
Speed	360 rpm