

Project Fact Sheet. Bhilangana-III 24 MW Hydro Electric Power Plant



Bhilangana-III (3 x 8 MW) Hydro Electric Project is located in the picturesque valley of Bhilang in the state of Uttarakhand in North India. This small hydro project was commissioned in the year 2011.

Voith Hydro delivered the entire Electro mechanical scope for this project. The project is an outcome of strong relationship built by the customer, Bhilangana Hydro Power Ltd, with all the stake holders including the local inhabitants of the region.

Key Features

Turbine

Turbine type	Horizontal Francis
Number of units	3
Nominal rated output per unit	8.0 MW
Rated speed	750 rpm
Rated net head	213.25 m
Runner diameter	1185 mm
Rated discharge	4.33 m³/s

Generator

Rated output	12.235 MVA
Rated power factor	0.85
Rated voltage	11 kV

Major auxiliaries including

Switchyard voltage	220 KV (AIS)
No. of bays	3
Main Inlet Valves	3
Station & Auxiliary Transformers	
Cable & Cable carrier system	
MV & LV Switchgear	
EOT Crane	

Location



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