

Triveni Link Canal HEP (2x1.5 MW)

SALIENT FEATURES

- 1.01 The Gandak Canal is one of the oldest canal systems in the country and the modified canal system is in operation since 1968-69.
- 1.02 The existing fall at RD 6.7 of Tirhut Main Canal & drop available at the head regulator of Triveni Canal off taking at RD. 9.5 of T.M.C. is proposed to be combined to generate 3.0 MW of Power in a Power House located at the by pass power channel.
- 1.03 Location : Block Bagaha, Distt,- West Champaran.

1. Catchment area at Gandak site : 37,410 sq. kms.
2. Water Conductor System
- (a) Power Channel : 235 Meters
- (b) Tail race Channel : 730 meters
3. Power House
- (a) Installed capacity : 2x1.5 MW
- (b) Design Head : 4.49 M.
- (c) Design Discharge : 70.85 Cumecs.
- (d) Annual Energy Generation : 14.94 MU
4. Turbine (s) : 2x1500 KW, 750 rpm.,Horizontal Shaft, Tubular-'S' Type full Kaplan.
5. Generator (s) : Brushless Synchronous Horizontal type Generator 1500 KW, 50Mz., 750 rpm, Voltage – 3.3 kV.
