

Rajapur Small Hydel Project (1x700 KW)

SALIENT FEATURES

- 1.01 Kosi Canal System is twenty seven year old canal systems in Bihar. It is in operation since 1975.
- 1.02 The Rajapur H.E. Project envisages to utilize the existing fall of 3.60 meter on Rajpur Branch Canal at km. Main canal for generation of Hydro Electric Power.
- 1.03 Location : Block – Birpur, Distt – Supaul
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1. Catchment area of Sone river : 69000 sq. km.
at the barrage
2. Water Conductor System
(a) Power Channel : 110 M,
(b) Tailrace Channel : 110 M,
3. Power House :
(a) Installed Capacity : 1 x 700 KW
(b) Design Head : 3.6 M
(c) Design Discharge : 7.3 Cumecs
(d) Annual Energy Generation : 22.6 GWH
4. Turbine (s) : Semi Kaplan, vertical Turbine
5. Generator (s) : Synchronous Brushless, Electronic Governor vertical generator
