

Amethi Small Hydel project (1x500 KW)

SALIENT FEATURES

- 1.01 Sone canal systems in one of the oldest canal systems in the country. It is in operation since 1874.
- 1.02 The Amethi H.E. Project envisages to utilize the existing fall of 4.0 meter on Buxar Branch Canal at 15.2 Km. Main Canal for generation of Hydro Electric Power.
- 1.03 Location : Block-Sanjhauli, Distt - Rohtas (Sasaram)

- 1. Catchment area of SOne river : 69000 sq. km.
at the barrage
- 2. Water conductor System :
 - (a) Power Channel : 110.M,
 - (b) Tailrace Channel : 200 M,
- 3. Power House
 - (a) Installed Capacity : 1x500 KW
 - (b) Design Head : 4.0 M
 - (c) Design Discharge : 14.50 Cumecs.
 - (d) Annual Energy Generation : 4.31 GWH
- 4. Turbine (s) : Semi Kaplan, Syphon Intake,
Vertical Turbine.
- 5. Generator(s) : Synchronous, Brushless, Electronic
Governor, vertical Generator
