

Nasriganj Small Hydel Project (2 x 500 KW)

- 1.01 Sone Canal System is one of the oldest canal systems in the country. It is in operation since 1874.
- 1.02 The Nasriganj H.E Project envisages to utilize the existing fall of 4.50 meter on Arrah Branch Canal at 17.2 Km. Main Canal for generation of Hydro Electric Power.
- 1.03 Location: Block – Nasriganj, Distt. – Rohtas (Sasaram)

1. Catchment area of Sone river at the barrage : 69000 sq. km.
2. Water Conductor System
 - (a) Power Channel : 180 M
 - (b) Tailrace Channel : 180 M.
3. Power House
 - (a) Installed capacity : 2x500 KW
 - (b) Design Head : 4.50 M
 - (c) Design Discharge : 25.8 Cumecs
 - (d) Annual Energy Generation : 8.15 GWH
4. Turbine (s) : Semi Kaplan, Vertical Turbine
5. Generator (s) : Synchronous, Brushless, Electronic Governor Vertical Generator 500 KW each 0.90 p.f. 415 voltage
