

Paharma Small Hydel Project (2x500 KW)

SALIENT FEATURES

- 1.01 Sone canal system is one of the oldest canal systems in the country. It is in operation since 1874.
- 1.02 The Paharma H.E. Project envisages to utilize the existing fall of 7.70 meter on Arrah Branch Canal at 22.6 Km. main Canal for generation of Hydro Electric Power.
- 1.03 Location : Block – Gorari, 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 : 4.70 M
 - (c) Design Discharge : 24.70 Cumecs.
 - (d) Annual Energy generation : 8.0 GWH
- 4. Turbine(s) : Semi Kaplan, Horizontal Turbine
- 5. Generator (s) : Synchronous Brushless, electronic Governor Vertical Generator
