

Sirkhinda 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 Sirkhinda H.E. Project envisages to utilize the existing fall of 3.25 meter on Buxar Branch Canal at 44.20 Km. main Canal for generation of Hydro Electric Power.
- 1.03 Location : Block – Nokha, Distt. - Rohtas (Sasaram)
1. Catchment area of Sone river at the barrage : 69000 sq. km.
2. Water Conductor System
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|----------------------|---|-------|
| (a) Power Channel | : | 160 M |
| (b) Tailrace Channel | : | 180 M |
3. Power House
- | | | |
|------------------------------|---|---------------|
| (a) Installed capacity | : | 2x350 KW. |
| (b) Design Head | : | 3.50 M |
| (c) Design Discharge | : | 23.20 Cumecs. |
| (d) Annual Energy generation | : | 5.35 GWH |
4. Turbine(s) : Semi Kaplan Syphon Intake Vertical turbine.
5. Generator (s) : Synchronous Brushless, electronic Governor vertical Generator
