

Arwal Small Hydel Project(1x500 KW)

SALIENT FEATURES

- 1.01 Sone canal System is one of the oldest canal system in the country. It is in operation since 1874.
- 1.02 The Arwal H.E. Project envisages to utilize the existing fall of 3.20 meter on Patna Branch Canal at 68.4 km. Main canal for generation of Hydro Electric Power.
- 1.03 Location : Block-Arwal, Distt – Arwal

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| 1. | Catchment area of Sone river at the barrage | : | 69000 sq km. |
| 2. | Water Conductor System | | |
| | (a) Power Channel | : | 165 M, |
| | (b) tailrace Channel | : | 180 M, |
| 3. | Power House | | |
| | (a) Installed capacity | : | 1x500 Kw. |
| | (b) Design Head | : | 3.20 M |
| | (c) Design Discharge | : | 18.12 Cumecs |
| | (d) Annual Energy Generation | : | 3.35 GWH |
| 4. | Turbine (s) | : | Semi Kaplan, Syphon Intak, Vertical Turbine |
| 5. | Generator | : | Synchronous Brushless, Electronic Governor vertical Generator |
