

Sone Eastern Link Canal H.E. Project, Barun (2x 1.65 MW)

GENERAL REPORT

- 1.01 Sone Canal System is one of the oldest canal system in the country. It is in operation since 1874.
- 1.02 The Sone Eastern Link Canal (SELC) Hydroelectric Project envisages to utilize the existing fall of 3.87 meters on Sone Eastern Link Canal at Km. 10.30(RD 33.80) near its confluence with Sone Eastern Main Canal for generation of Hydroelectric Project.

SALIENT FEATURES

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| 1. | Catchment areas of Sone river at the Sone barrage | : | 69000 sq. Km. |
| 2. | Water Conductor system | | |
| | a) Power Channel | : | 569m. |
| | b) Tail Race Channel | : | 130m. |
| 3. | Power House | | |
| | a) Installed capacity | : | 2x1.65 MW |
| | b) Head | : | 3.87 m |
| | c) Discharge | : | 99.12 cumces |
| | d) Annual Energy Generated | : | 19.45 Gwh. |
| 4. | Turbine(s) | : | 1.8 MW, 120 rpm, Bulb Type Semi Kaplan, Horizontal shaft. |
| 5. | Generator(s) | : | 1692KW, 1880 KVA, 0.9 p.f. 6.6 KV 50 Hz. 120 rpm, synchronous Generator |
