

Jainagra 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 Jainagra H.E Project envisages to utilize the existing fall of 4.45 meter on Buxar Branch Canal of Sone Canal System of 3.2 Km. of Buxar Branch Canal for generation of Hydro Electric Power.
- 1.03 Location: Block – Nokha, Distt. – Rohtas (Sasaram)

1. Catchment area of Sone river at the barrage :

2. Water Conductor System

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| (a) | Power Channel | : | 260.00 meters |
| (b) | Tailrace Channel | : | 72.556 meters |

3. Power House

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|-----|--------------------|---|--------------|
| (a) | Installed capacity | : | 2x500 KW |
| (b) | Design Head | : | 4.45 M |
| (c) | Design Discharge | : | 26.20 Cumecs |

4.	Turbine (s)	:	Semi Kaplan, Vertical Turbine
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5.	Generator (s)	:	Synchronous, Brushless, Electronic Governor Vertical
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