

Mathauli Small Hydel Project (2 x 400 KW)

1. Mathauli Hydroelectric Project envisages to utilise the existing fall at RD 311.50 on Tirhut main canal of Gandak Canal system for generation of hydroelectric project.

2. Location :-

Block	-	Bettiah
District	-	West Champaran

3. Salient features :-

a)	Installed capacity	-	2 x 400 KW
b)	Head	-	4.04 M
c)	Design discharge	-	18.90 cumecs
d)	Annual Energy Generation	-	4.20 MKWH

4. Turbine : Horizontal 'S' type semi Kaplan

5. Generator : Salient Pole Synchronous Generator (Horizontal)

Excitation system	:	Brush less excitation with AVR & APFC system
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Regulation system	:	Electronic Governor with PLC based System.
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