

Hatia Dam

Location	23.2803° N, 85.2603° E
State	Jharkhand
Nearest City	Hatia
Year of Completion	1963
Operated and Maintained by	Jharkhand Water Resources Department
River Basin	Subarnarekha
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Dam Type	Earthfill Embankment
Height above lowest foundation level	24.0 m
Dam length	4525.0 m
Reservoir Area	3399412.0 m ²
Gross storage capacity	34100000.0 m ³
Effective storage capacity	31900000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	37.2 km ²
Perimeter of catchment	29.3 km
Basin Length	9694.0 m
Form factor	0.39573
Circularity ratio	0.54618
Elongation ratio	0.70959
Highest Stream order	6
Max elevation	742.0 m
Min elevation	637.0 m
Mean bifurcation ratio	2.5707
Stream frequency	80.2950 per km ²
Relief	105.00 m
Drainage density	11.1470 km/km ²
Length of overland flow	44.856 m

CATCHMENT CLIMATOLOGY

