

Bhairwa Dam

Location	23.5181° N, 85.6744° E
State	Jharkhand
Nearest City	Hazaribagh
Year of Completion	Not Available
Operated and Maintained by	Jharkhand Water Resources Department
River Basin	Subarnarekha
River	Bhairwa.
Dam Type	Earthfill Embankment
Height above lowest foundation level	29.6 m
Dam length	2469.5 m
Reservoir Area	4900000.0 m ²
Gross storage capacity	270000000.0 m ³
Effective storage capacity	21000000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	118.2 km ²
Perimeter of catchment	61.1 km
Basin Length	24091.0 m
Form factor	0.20360
Circularity ratio	0.39808
Elongation ratio	0.50897
Highest Stream order	6
Max elevation	973.0 m
Min elevation	337.0 m
Mean bifurcation ratio	2.2017
Stream frequency	78.4480 per km ²
Relief	636.00 m
Drainage density	10.7690 km/km ²
Length of overland flow	46.428 m

CATCHMENT CLIMATOLOGY

