

Patharhatta Dam

Location	24.5981° N, 80.6958° E
State	Madhya Pradesh
Nearest City	Sambalpur
Year of Completion	1918
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Ganga
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.4 m
Dam length	1432.0 m
Reservoir Area	408000.0 m ²
Gross storage capacity	2695000.0 m ³
Effective storage capacity	2508000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	4.2 km ²
Perimeter of catchment	10.0 km
Basin Length	3818.1 m
Form factor	0.28751
Circularity ratio	0.52265
Elongation ratio	0.60484
Highest Stream order	4
Max elevation	339.0 m
Min elevation	316.0 m
Mean bifurcation ratio	1.8385
Stream frequency	67.0450 per km ²
Relief	23.00 m
Drainage density	7.7850 km/km ²
Length of overland flow	64.229 m

CATCHMENT CLIMATOLOGY

