

Garethia Dam

Location	23.6711° N, 77.5131° E
State	Madhya Pradesh
Nearest City	Berasia
Year of Completion	1991
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Ganga
River	Local
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.9 m
Dam length	2438.4 m
Reservoir Area	5340000.0 m ²
Gross storage capacity	14822000.0 m ³
Effective storage capacity	12680000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	58.7 km ²
Perimeter of catchment	35.6 km
Basin Length	10775.0 m
Form factor	0.50546
Circularity ratio	0.58311
Elongation ratio	0.80196
Highest Stream order	6
Max elevation	554.0 m
Min elevation	440.0 m
Mean bifurcation ratio	2.2651
Stream frequency	77.7390 per km ²
Relief	114.00 m
Drainage density	10.5170 km/km ²
Length of overland flow	47.543 m

CATCHMENT CLIMATOLOGY

