

Samarsingha Dam

Location	24.6553° N, 77.1647° E
State	Madhya Pradesh
Nearest City	Guna
Year of Completion	1917
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Ganga
River	Local
Dam Type	Earthfill Embankment
Height above lowest foundation level	11.9 m
Dam length	1380.0 m
Reservoir Area	2140000.0 m ²
Gross storage capacity	6090000.0 m ³
Effective storage capacity	5476000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	35.2 km ²
Perimeter of catchment	28.0 km
Basin Length	9673.1 m
Form factor	0.37649
Circularity ratio	0.56303
Elongation ratio	0.69213
Highest Stream order	5
Max elevation	524.0 m
Min elevation	402.0 m
Mean bifurcation ratio	2.3452
Stream frequency	82.5760 per km ²
Relief	122.00 m
Drainage density	11.4730 km/km ²
Length of overland flow	43.582 m

CATCHMENT CLIMATOLOGY

