

Guradia Roopchand Dam

Location	22.9603° N, 76.5683° E
State	Madhya Pradesh
Nearest City	Ashta
Year of Completion	1984
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Ganga
River	Local
Dam Type	Earthfill Embankment
Height above lowest foundation level	11.0 m
Dam length	1050.0 m
Reservoir Area	631000.0 m ²
Gross storage capacity	1725000.0 m ³
Effective storage capacity	1608000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2.4 km ²
Perimeter of catchment	6.6 km
Basin Length	1567.2 m
Form factor	0.96768
Circularity ratio	0.67571
Elongation ratio	1.10960
Highest Stream order	4
Max elevation	559.0 m
Min elevation	514.0 m
Mean bifurcation ratio	3.8734
Stream frequency	89.1960 per km ²
Relief	45.00 m
Drainage density	12.1540 km/km ²
Length of overland flow	41.140 m

CATCHMENT CLIMATOLOGY

