

Ranjeet Dam

Location	22.0144° N, 75.0603° E
State	Madhya Pradesh
Nearest City	Barwani
Year of Completion	1916
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Narmada
River	Local
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.7 m
Dam length	300.0 m
Reservoir Area	1595000.0 m ²
Gross storage capacity	4040000.0 m ³
Effective storage capacity	3550000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	14.0 km ²
Perimeter of catchment	15.8 km
Basin Length	4992.0 m
Form factor	0.56013
Circularity ratio	0.70359
Elongation ratio	0.84421
Highest Stream order	5
Max elevation	234.0 m
Min elevation	164.0 m
Mean bifurcation ratio	2.3868
Stream frequency	78.3030 per km ²
Relief	70.00 m
Drainage density	10.6190 km/km ²
Length of overland flow	47.086 m

CATCHMENT CLIMATOLOGY

