

Chikhalia Dam

Location	21.8347° N, 74.9119° E
State	Madhya Pradesh
Nearest City	Barwani
Year of Completion	1997
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Narmada
River	Local
Dam Type	Earthfill Embankment
Height above lowest foundation level	20.1 m
Dam length	357.0 m
Reservoir Area	483000.0 m ²
Gross storage capacity	2591000.0 m ³
Effective storage capacity	2260000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	38.3 km ²
Perimeter of catchment	34.7 km
Basin Length	10401.0 m
Form factor	0.35426
Circularity ratio	0.40120
Elongation ratio	0.67138
Highest Stream order	6
Max elevation	665.0 m
Min elevation	345.0 m
Mean bifurcation ratio	2.8550
Stream frequency	75.6680 per km ²
Relief	320.00 m
Drainage density	10.2360 km/km ²
Length of overland flow	48.849 m

CATCHMENT CLIMATOLOGY

