

Chandelao Dam

Location	24.5228° N, 72.6914° E
State	Rajasthan
Nearest City	Abu Road
Year of Completion	1980
Operated and Maintained by	Rajasthan Water Resources Department
River Basin	Sabarmati
River	West Banas
Dam Type	Earthfill Embankment
Height above lowest foundation level	10.0 m
Dam length	792.0 m
Reservoir Area	1566816.0 m ²
Gross storage capacity	1585000.0 m ³
Effective storage capacity	1570000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	17.6 km ²
Perimeter of catchment	18.0 km
Basin Length	6870.9 m
Form factor	0.37238
Circularity ratio	0.68346
Elongation ratio	0.68834
Highest Stream order	5
Max elevation	1317.0 m
Min elevation	252.0 m
Mean bifurcation ratio	2.6337
Stream frequency	105.2900 per km ²
Relief	1065.00 m
Drainage density	16.2050 km/km ²
Length of overland flow	30.855 m

CATCHMENT CLIMATOLOGY

