

Gajansar Dam

Location	23.5856° N, 69.1233° E
State	Gujarat
Nearest City	Nakhatrana
Year of Completion	1960
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Panjora
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.0 m
Dam length	597.4 m
Reservoir Area	1470000.0 m ²
Gross storage capacity	7340000.0 m ³
Effective storage capacity	5260000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	157.0 km ²
Perimeter of catchment	63.4 km
Basin Length	19867.0 m
Form factor	0.39774
Circularity ratio	0.49023
Elongation ratio	0.71139
Highest Stream order	7
Max elevation	201.0 m
Min elevation	21.0 m
Mean bifurcation ratio	2.3067
Stream frequency	75.4380 per km ²
Relief	180.00 m
Drainage density	10.0380 km/km ²
Length of overland flow	49.811 m

CATCHMENT CLIMATOLOGY

