

Godadia Dam

Location	22.8375° N, 69.3575° E
State	Gujarat
Nearest City	Kachchh
Year of Completion	1971
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Mandvi
Dam Type	Earthfill Embankment
Height above lowest foundation level	11.7 m
Dam length	879.0 m
Reservoir Area	386000.0 m ²
Gross storage capacity	1250000.0 m ³
Effective storage capacity	1120000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	398.1 km ²
Perimeter of catchment	123.8 km
Basin Length	47245.0 m
Form factor	0.17834
Circularity ratio	0.32652
Elongation ratio	0.47636
Highest Stream order	7
Max elevation	275.0 m
Min elevation	1.0 m
Mean bifurcation ratio	2.2716
Stream frequency	75.7260 per km ²
Relief	274.00 m
Drainage density	10.2370 km/km ²
Length of overland flow	48.843 m

CATCHMENT CLIMATOLOGY

