

Dhavada Dam

Location	23.3000° N, 69.3089° E
State	Gujarat
Nearest City	Nakhatrana
Year of Completion	1988
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local River
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.7 m
Dam length	1347.6 m
Reservoir Area	3200.0 m ²
Gross storage capacity	390000.0 m ³
Effective storage capacity	390000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	8.7 km ²
Perimeter of catchment	15.4 km
Basin Length	5646.6 m
Form factor	0.27273
Circularity ratio	0.45905
Elongation ratio	0.58908
Highest Stream order	5
Max elevation	248.0 m
Min elevation	154.0 m
Mean bifurcation ratio	2.3939
Stream frequency	77.3950 per km ²
Relief	94.00 m
Drainage density	10.2390 km/km ²
Length of overland flow	48.834 m

CATCHMENT CLIMATOLOGY

