

## Wandh-Mandvi Dam

Location	23.0289° N, 69.3939° E
State	Gujarat
Nearest City	Mandvi
Year of Completion	1950
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Wand
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.0 m
Dam length	825.0 m
Reservoir Area	158749.0 m <sup>2</sup>
Gross storage capacity	820000.0 m <sup>3</sup>
Effective storage capacity	744000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	7.5 km <sup>2</sup>
Perimeter of catchment	11.5 km
Basin Length	3363.1 m
Form factor	0.66373
Circularity ratio	0.71476
Elongation ratio	0.91897
Highest Stream order	5
Max elevation	137.0 m
Min elevation	86.0 m
Mean bifurcation ratio	2.4030
Stream frequency	81.1240 per km <sup>2</sup>
Relief	51.00 m
Drainage density	10.8710 km/km <sup>2</sup>
Length of overland flow	45.994 m

## CATCHMENT CLIMATOLOGY

