

## Chorwadala Dam

Location	21.7072° N, 71.8003° E
State	Gujarat
Nearest City	Sihor
Year of Completion	1955
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Stream
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.0 m
Dam length	280.0 m
Reservoir Area	338398.0 m <sup>2</sup>
Gross storage capacity	2100000.0 m <sup>3</sup>
Effective storage capacity	2100000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	16.6 km <sup>2</sup>
Perimeter of catchment	19.2 km
Basin Length	7815.7 m
Form factor	0.27254
Circularity ratio	0.57014
Elongation ratio	0.58888
Highest Stream order	5
Max elevation	131.0 m
Min elevation	56.0 m
Mean bifurcation ratio	2.5636
Stream frequency	77.4860 per km <sup>2</sup>
Relief	75.00 m
Drainage density	10.3280 km/km <sup>2</sup>
Length of overland flow	48.413 m

## CATCHMENT CLIMATOLOGY

