

## Chiroda Dam

Location	21.7239° N, 72.5275° E
State	Gujarat
Nearest City	Bhavnagar
Year of Completion	1968
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Stream
Dam Type	Earthfill Embankment
Height above lowest foundation level	16.0 m
Dam length	526.0 m
Reservoir Area	4336336.0 m <sup>2</sup>
Gross storage capacity	570000.0 m <sup>3</sup>
Effective storage capacity	500000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2.0 km <sup>2</sup>
Perimeter of catchment	6.7 km
Basin Length	2176.0 m
Form factor	0.41946
Circularity ratio	0.56011
Elongation ratio	0.73056
Highest Stream order	4
Max elevation	11.0 m
Min elevation	-2.0 m
Mean bifurcation ratio	3.0470
Stream frequency	60.9200 per km <sup>2</sup>
Relief	13.00 m
Drainage density	7.0950 km/km <sup>2</sup>
Length of overland flow	70.468 m

## CATCHMENT CLIMATOLOGY

Data not available.