

## Bharudia Dam

Location	23.5561° N, 70.4139° E
State	Gujarat
Nearest City	Bhachau
Year of Completion	1998
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Bharudia
Dam Type	Earthfill Embankment
Height above lowest foundation level	11.8 m
Dam length	2258.0 m
Reservoir Area	749200.0 m <sup>2</sup>
Gross storage capacity	1580000.0 m <sup>3</sup>
Effective storage capacity	1409000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	22.2 km <sup>2</sup>
Perimeter of catchment	19.9 km
Basin Length	7399.8 m
Form factor	0.40472
Circularity ratio	0.70510
Elongation ratio	0.71761
Highest Stream order	6
Max elevation	119.0 m
Min elevation	30.0 m
Mean bifurcation ratio	2.7650
Stream frequency	77.5220 per km <sup>2</sup>
Relief	89.00 m
Drainage density	10.6030 km/km <sup>2</sup>
Length of overland flow	47.157 m

## CATCHMENT CLIMATOLOGY

