

## Chandravadi Dam

Location	21.2164° N, 70.4417° E
State	Gujarat
Nearest City	Barwala
Year of Completion	1999
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Utavali
Dam Type	Earthfill Embankment
Height above lowest foundation level	10.6 m
Dam length	5080.0 m
Reservoir Area	4777400.0 m <sup>2</sup>
Gross storage capacity	9010000.0 m <sup>3</sup>
Effective storage capacity	6910000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	13.7 km <sup>2</sup>
Perimeter of catchment	18.3 km
Basin Length	7198.2 m
Form factor	0.26412
Circularity ratio	0.51416
Elongation ratio	0.57971
Highest Stream order	5
Max elevation	249.0 m
Min elevation	120.0 m
Mean bifurcation ratio	2.2006
Stream frequency	82.7180 per km <sup>2</sup>
Relief	129.00 m
Drainage density	11.5380 km/km <sup>2</sup>
Length of overland flow	43.335 m

## CATCHMENT CLIMATOLOGY

Data not available.