

## Sodvadar Dam

Location	21.8167° N, 70.3500° E
State	Gujarat
Nearest City	Jam Kadorana
Year of Completion	1989
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	T-Bhadr
Dam Type	Other
Height above lowest foundation level	14.1 m
Dam length	1410.0 m
Reservoir Area	1680000.0 m <sup>2</sup>
Gross storage capacity	4840000.0 m <sup>3</sup>
Effective storage capacity	4580000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	4.4 km <sup>2</sup>
Perimeter of catchment	11.1 km
Basin Length	4331.9 m
Form factor	0.23282
Circularity ratio	0.44737
Elongation ratio	0.54427
Highest Stream order	4
Max elevation	104.0 m
Min elevation	71.0 m
Mean bifurcation ratio	5.2072
Stream frequency	72.3310 per km <sup>2</sup>
Relief	33.00 m
Drainage density	9.2370 km/km <sup>2</sup>
Length of overland flow	54.133 m

## CATCHMENT CLIMATOLOGY

