

## Gangasagar Dam

Location	24.3061° N, 72.5386° E
State	Gujarat
Nearest City	Palanpur
Year of Completion	1933
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	T Of Banas
Dam Type	Earthfill Embankment
Height above lowest foundation level	12.5 m
Dam length	198.0 m
Reservoir Area	8050000.0 m <sup>2</sup>
Gross storage capacity	3022000.0 m <sup>3</sup>
Effective storage capacity	2719000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	19.2 km <sup>2</sup>
Perimeter of catchment	23.8 km
Basin Length	8228.8 m
Form factor	0.28428
Circularity ratio	0.42690
Elongation ratio	0.60142
Highest Stream order	5
Max elevation	417.0 m
Min elevation	215.0 m
Mean bifurcation ratio	2.6619
Stream frequency	78.0810 per km <sup>2</sup>
Relief	202.00 m
Drainage density	10.4680 km/km <sup>2</sup>
Length of overland flow	47.766 m

## CATCHMENT CLIMATOLOGY

