

## Sanosara Dam

Location	23.2161° N, 69.2431° E
State	Gujarat
Nearest City	Abdasa
Year of Completion	1980
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	T-Kankawati
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.4 m
Dam length	962.0 m
Reservoir Area	408000.0 m <sup>2</sup>
Gross storage capacity	1270000.0 m <sup>3</sup>
Effective storage capacity	790000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	46.0 km <sup>2</sup>
Perimeter of catchment	37.5 km
Basin Length	11870.0 m
Form factor	0.32679
Circularity ratio	0.41231
Elongation ratio	0.64483
Highest Stream order	6
Max elevation	341.0 m
Min elevation	126.0 m
Mean bifurcation ratio	2.6503
Stream frequency	80.7020 per km <sup>2</sup>
Relief	215.00 m
Drainage density	11.0940 km/km <sup>2</sup>
Length of overland flow	45.071 m

## CATCHMENT CLIMATOLOGY

