

Sogthi Dam

Location	22.0528° N, 70.1506° E
State	Gujarat
Nearest City	Jamjodhpur
Year of Completion	1995
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Fulzer
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.0 m
Dam length	92.5 m
Reservoir Area	521592.0 m ²
Gross storage capacity	3140000.0 m ³
Effective storage capacity	2520000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	47.5 km ²
Perimeter of catchment	34.7 km
Basin Length	11381.0 m
Form factor	0.36692
Circularity ratio	0.49493
Elongation ratio	0.68327
Highest Stream order	6
Max elevation	223.0 m
Min elevation	137.0 m
Mean bifurcation ratio	2.2696
Stream frequency	75.4560 per km ²
Relief	86.00 m
Drainage density	9.9640 km/km ²
Length of overland flow	50.180 m

CATCHMENT CLIMATOLOGY

