

Solsandha Dam

Location	24.0869° N, 72.9017° E
State	Gujarat
Nearest City	Danta
Year of Completion	1935
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	T Of Banas
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.0 m
Dam length	325.0 m
Reservoir Area	1800000.0 m ²
Gross storage capacity	1529000.0 m ³
Effective storage capacity	1032000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	16.4 km ²
Perimeter of catchment	18.6 km
Basin Length	6834.6 m
Form factor	0.35099
Circularity ratio	0.59614
Elongation ratio	0.66828
Highest Stream order	5
Max elevation	556.0 m
Min elevation	187.0 m
Mean bifurcation ratio	2.3739
Stream frequency	80.5100 per km ²
Relief	369.00 m
Drainage density	10.9390 km/km ²
Length of overland flow	45.707 m

CATCHMENT CLIMATOLOGY

