

Sartanpar Dam

Location	22.0925° N, 71.4544° E
State	Gujarat
Nearest City	Jasdan
Year of Completion	1977
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	T-Keri
Dam Type	Earthfill Embankment
Height above lowest foundation level	11.8 m
Dam length	118.0 m
Reservoir Area	860256.0 m ²
Gross storage capacity	2808000.0 m ³
Effective storage capacity	2208000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	67.0 km ²
Perimeter of catchment	40.8 km
Basin Length	12995.0 m
Form factor	0.39687
Circularity ratio	0.50511
Elongation ratio	0.71061
Highest Stream order	6
Max elevation	278.0 m
Min elevation	133.0 m
Mean bifurcation ratio	2.1109
Stream frequency	76.5490 per km ²
Relief	145.00 m
Drainage density	10.4360 km/km ²
Length of overland flow	47.913 m

CATCHMENT CLIMATOLOGY

