

Shetrunji Dam

Location	21.4744° N, 71.8794° E
State	Gujarat
Nearest City	Palitana
Year of Completion	1965
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Shetrunji
Dam Type	Earthfill Embankment
Height above lowest foundation level	32.0 m
Dam length	3895.0 m
Reservoir Area	67340000.0 m ²
Gross storage capacity	415410000.0 m ³
Effective storage capacity	374000000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	4428.0 km ²
Perimeter of catchment	375.6 km
Basin Length	119790.0 m
Form factor	0.30858
Circularity ratio	0.39455
Elongation ratio	0.62661
Highest Stream order	9
Max elevation	592.0 m
Min elevation	20.0 m
Mean bifurcation ratio	2.0992
Stream frequency	68.1250 per km ²
Relief	572.00 m
Drainage density	8.8130 km/km ²
Length of overland flow	56.733 m

CATCHMENT CLIMATOLOGY

