

Jhanjhesari Dam

Location	21.3956° N, 70.8056° E
State	Gujarat
Nearest City	Visavadar
Year of Completion	1975
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Jhanjhesari
Dam Type	Earthfill Embankment
Height above lowest foundation level	27.0 m
Dam length	2699.0 m
Reservoir Area	2290000.0 m ²
Gross storage capacity	10640000.0 m ³
Effective storage capacity	9978000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	67.2 km ²
Perimeter of catchment	37.5 km
Basin Length	14347.0 m
Form factor	0.32652
Circularity ratio	0.60102
Elongation ratio	0.64456
Highest Stream order	6
Max elevation	283.0 m
Min elevation	140.0 m
Mean bifurcation ratio	2.2829
Stream frequency	75.0740 per km ²
Relief	143.00 m
Drainage density	10.1940 km/km ²
Length of overland flow	49.050 m

CATCHMENT CLIMATOLOGY

