

Zar Dam

Location	21.3567° N, 71.1103° E
State	Gujarat
Nearest City	Dhari Mahal
Year of Completion	1977
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Fulzar
Dam Type	Earthfill Embankment
Height above lowest foundation level	m
Dam length	870.0 m
Reservoir Area	142906.0 m ²
Gross storage capacity	1464000.0 m ³
Effective storage capacity	1270000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	15.9 km ²
Perimeter of catchment	17.9 km
Basin Length	6167.2 m
Form factor	0.41765
Circularity ratio	0.62016
Elongation ratio	0.72898
Highest Stream order	5
Max elevation	257.0 m
Min elevation	178.0 m
Mean bifurcation ratio	2.3438
Stream frequency	71.1370 per km ²
Relief	79.00 m
Drainage density	9.2220 km/km ²
Length of overland flow	54.217 m

CATCHMENT CLIMATOLOGY

