

Zakashiya Dam

Location	22.2422° N, 69.4864° E
State	Gujarat
Nearest City	Khambhaliya
Year of Completion	2003
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Jetpur
Dam Type	Earthfill Embankment
Height above lowest foundation level	21.3 m
Dam length	2790.0 m
Reservoir Area	4510000.0 m ²
Gross storage capacity	13900000.0 m ³
Effective storage capacity	13660000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	29.9 km ²
Perimeter of catchment	24.2 km
Basin Length	6880.4 m
Form factor	0.63124
Circularity ratio	0.64359
Elongation ratio	0.89620
Highest Stream order	6
Max elevation	54.0 m
Min elevation	20.0 m
Mean bifurcation ratio	11.6380
Stream frequency	69.7060 per km ²
Relief	34.00 m
Drainage density	8.8440 km/km ²
Length of overland flow	56.538 m

CATCHMENT CLIMATOLOGY

