

Zalu Dam

Location	23.4894° N, 69.3275° E
State	Gujarat
Nearest City	Nakhatrana
Year of Completion	1984
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Stream
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.5 m
Dam length	670.0 m
Reservoir Area	76779.0 m ²
Gross storage capacity	685000.0 m ³
Effective storage capacity	580000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	8.3 km ²
Perimeter of catchment	13.4 km
Basin Length	4222.6 m
Form factor	0.46613
Circularity ratio	0.57856
Elongation ratio	0.77013
Highest Stream order	4
Max elevation	325.0 m
Min elevation	22.0 m
Mean bifurcation ratio	2.4183
Stream frequency	81.4550 per km ²
Relief	303.00 m
Drainage density	11.1500 km/km ²
Length of overland flow	44.842 m

CATCHMENT CLIMATOLOGY

