

Lachhadi Dam

Location	21.0536° N, 70.4033° E
State	Gujarat
Nearest City	Maliya Hatina
Year of Completion	1997
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Devaka
Dam Type	Earthfill Embankment
Height above lowest foundation level	16.3 m
Dam length	85.0 m
Reservoir Area	828860.0 m ²
Gross storage capacity	2138010.0 m ³
Effective storage capacity	1654750.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	18.1 km ²
Perimeter of catchment	20.5 km
Basin Length	6371.6 m
Form factor	0.44509
Circularity ratio	0.53920
Elongation ratio	0.75254
Highest Stream order	5
Max elevation	122.0 m
Min elevation	69.0 m
Mean bifurcation ratio	2.2587
Stream frequency	74.4910 per km ²
Relief	53.00 m
Drainage density	10.0150 km/km ²
Length of overland flow	49.923 m

CATCHMENT CLIMATOLOGY

Data not available.