

Lakhia Dam

Location	24.3514° N, 73.0022° E
State	Gujarat
Nearest City	Khedbrahma
Year of Completion	1987
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Wangha
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.5 m
Dam length	173.0 m
Reservoir Area	41631.0 m ²
Gross storage capacity	371000.0 m ³
Effective storage capacity	270000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	16.4 km ²
Perimeter of catchment	19.2 km
Basin Length	6136.2 m
Form factor	0.43543
Circularity ratio	0.55983
Elongation ratio	0.74434
Highest Stream order	5
Max elevation	722.0 m
Min elevation	285.0 m
Mean bifurcation ratio	2.4046
Stream frequency	88.8650 per km ²
Relief	437.00 m
Drainage density	12.8480 km/km ²
Length of overland flow	38.916 m

CATCHMENT CLIMATOLOGY

