

Khadkhambhali Dam

Location	22.1894° N, 70.1514° E
State	Gujarat
Nearest City	Lalpur
Year of Completion	1975
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Khadkhambhalia
Dam Type	Earthfill Embankment
Height above lowest foundation level	24.0 m
Dam length	370.0 m
Reservoir Area	421816.0 m ²
Gross storage capacity	2783000.0 m ³
Effective storage capacity	2783000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	15.2 km ²
Perimeter of catchment	23.5 km
Basin Length	7607.4 m
Form factor	0.26343
Circularity ratio	0.34641
Elongation ratio	0.57895
Highest Stream order	5
Max elevation	223.0 m
Min elevation	122.0 m
Mean bifurcation ratio	2.9896
Stream frequency	77.6640 per km ²
Relief	101.00 m
Drainage density	10.4820 km/km ²
Length of overland flow	47.702 m

CATCHMENT CLIMATOLOGY

