

## Kaliya Hill Dam

Location	23.0206° N, 74.0278° E
State	Gujarat
Nearest City	Jhalod
Year of Completion	1975
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Mahi
River	Kotar
Dam Type	Earthfill Embankment
Height above lowest foundation level	33.0 m
Dam length	70.0 m
Reservoir Area	660000.0 m <sup>2</sup>
Gross storage capacity	2605000.0 m <sup>3</sup>
Effective storage capacity	2058000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2.9 km <sup>2</sup>
Perimeter of catchment	8.8 km
Basin Length	2907.6 m
Form factor	0.34640
Circularity ratio	0.47786
Elongation ratio	0.66389
Highest Stream order	4
Max elevation	374.0 m
Min elevation	284.0 m
Mean bifurcation ratio	2.5819
Stream frequency	78.1980 per km <sup>2</sup>
Relief	90.00 m
Drainage density	10.3430 km/km <sup>2</sup>
Length of overland flow	48.344 m

## CATCHMENT CLIMATOLOGY

