

Gadhki Dam

Location	22.1144° N, 69.4583° E
State	Gujarat
Nearest City	Khambhalia
Year of Completion	2004
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Gadhki
Dam Type	Other
Height above lowest foundation level	22.7 m
Dam length	3470.0 m
Reservoir Area	4860000.0 m ²
Gross storage capacity	9340000.0 m ³
Effective storage capacity	9340000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	56.0 km ²
Perimeter of catchment	36.9 km
Basin Length	11824.0 m
Form factor	0.40071
Circularity ratio	0.51629
Elongation ratio	0.71404
Highest Stream order	6
Max elevation	76.0 m
Min elevation	25.0 m
Mean bifurcation ratio	2.1719
Stream frequency	71.6870 per km ²
Relief	51.00 m
Drainage density	9.3860 km/km ²
Length of overland flow	53.272 m

CATCHMENT CLIMATOLOGY

