

Vekari Dam

Location	21.9344° N, 70.6744° E
State	Gujarat
Nearest City	Gondal
Year of Completion	1988
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	T-Bhadr
Dam Type	Earthfill Embankment
Height above lowest foundation level	11.6 m
Dam length	1160.0 m
Reservoir Area	1412600.0 m ²
Gross storage capacity	3106000.0 m ³
Effective storage capacity	2393000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	71.7 km ²
Perimeter of catchment	41.0 km
Basin Length	14707.0 m
Form factor	0.33139
Circularity ratio	0.53492
Elongation ratio	0.64935
Highest Stream order	6
Max elevation	194.0 m
Min elevation	108.0 m
Mean bifurcation ratio	2.2249
Stream frequency	71.2720 per km ²
Relief	86.00 m
Drainage density	9.4290 km/km ²
Length of overland flow	53.028 m

CATCHMENT CLIMATOLOGY

