

Vijarkhi Dam

Location	22.4056° N, 70.1831° E
State	Gujarat
Nearest City	Jamnagar
Year of Completion	1901
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Fulzar-Nani
Dam Type	Earthfill Embankment
Height above lowest foundation level	11.0 m
Dam length	1341.0 m
Reservoir Area	2930000.0 m ²
Gross storage capacity	10020000.0 m ³
Effective storage capacity	10010000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	35.9 km ²
Perimeter of catchment	28.1 km
Basin Length	9454.7 m
Form factor	0.40149
Circularity ratio	0.57323
Elongation ratio	0.71474
Highest Stream order	6
Max elevation	82.0 m
Min elevation	29.0 m
Mean bifurcation ratio	2.1316
Stream frequency	78.7700 per km ²
Relief	53.00 m
Drainage density	10.5880 km/km ²
Length of overland flow	47.224 m

CATCHMENT CLIMATOLOGY

