

Vagdokyari Dam

Location	24.1847° N, 72.8886° E
State	Gujarat
Nearest City	Danta
Year of Completion	1984
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	T Of Sabarmati
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.0 m
Dam length	158.0 m
Reservoir Area	35509.0 m ²
Gross storage capacity	1136000.0 m ³
Effective storage capacity	1008000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	13.1 km ²
Perimeter of catchment	17.0 km
Basin Length	7031.8 m
Form factor	0.26480
Circularity ratio	0.57234
Elongation ratio	0.58045
Highest Stream order	5
Max elevation	678.0 m
Min elevation	261.0 m
Mean bifurcation ratio	2.3335
Stream frequency	85.9220 per km ²
Relief	417.00 m
Drainage density	12.0130 km/km ²
Length of overland flow	41.621 m

CATCHMENT CLIMATOLOGY

