

Vayor Dam

Location	22.9500° N, 69.8500° E
State	Gujarat
Nearest City	Lakhpat
Year of Completion	1961
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local River
Dam Type	Earthfill Embankment
Height above lowest foundation level	12.8 m
Dam length	960.0 m
Reservoir Area	1467.0 m ²
Gross storage capacity	1120000.0 m ³
Effective storage capacity	1120000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	0.9 km ²
Perimeter of catchment	4.9 km
Basin Length	1216.2 m
Form factor	0.59082
Circularity ratio	0.45452
Elongation ratio	0.86704
Highest Stream order	3
Max elevation	39.0 m
Min elevation	27.0 m
Mean bifurcation ratio	3.1264
Stream frequency	68.6570 per km ²
Relief	12.00 m
Drainage density	8.1080 km/km ²
Length of overland flow	61.665 m

CATCHMENT CLIMATOLOGY

Data not available.



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