

Vengadi Dam

Location	22.9767° N, 69.1978° E
State	Gujarat
Nearest City	Kachchh
Year of Completion	1955
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Mandvi
Dam Type	Earthfill Embankment
Height above lowest foundation level	16.4 m
Dam length	1737.0 m
Reservoir Area	1817000.0 m ²
Gross storage capacity	6915000.0 m ³
Effective storage capacity	6450000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	90.5 km ²
Perimeter of catchment	53.3 km
Basin Length	20322.0 m
Form factor	0.21911
Circularity ratio	0.39987
Elongation ratio	0.52801
Highest Stream order	6
Max elevation	232.0 m
Min elevation	29.0 m
Mean bifurcation ratio	2.4893
Stream frequency	77.5570 per km ²
Relief	203.00 m
Drainage density	10.5790 km/km ²
Length of overland flow	47.261 m

CATCHMENT CLIMATOLOGY

