

Gokhalana Dam

Location	21.9844° N, 71.2742° E
State	Gujarat
Nearest City	Jasdan
Year of Completion	1976
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Vangha
Dam Type	Earthfill Embankment
Height above lowest foundation level	19.0 m
Dam length	635.0 m
Reservoir Area	149310.0 m ²
Gross storage capacity	510000.0 m ³
Effective storage capacity	510000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	4.6 km ²
Perimeter of catchment	10.3 km
Basin Length	3498.0 m
Form factor	0.37734
Circularity ratio	0.54855
Elongation ratio	0.69291
Highest Stream order	4
Max elevation	236.0 m
Min elevation	197.0 m
Mean bifurcation ratio	2.4711
Stream frequency	70.3920 per km ²
Relief	39.00 m
Drainage density	9.0380 km/km ²
Length of overland flow	55.323 m

CATCHMENT CLIMATOLOGY

