

Guhedia Dam

Location	23.0167° N, 73.0167° E
State	Gujarat
Nearest City	Balasinor
Year of Completion	1962
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Vehla
Dam Type	Earthfill Embankment
Height above lowest foundation level	12.2 m
Dam length	1920.0 m
Reservoir Area	4240000.0 m ²
Gross storage capacity	45872000.0 m ³
Effective storage capacity	45872000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	34.6 km ²
Perimeter of catchment	36.4 km
Basin Length	12875.0 m
Form factor	0.20859
Circularity ratio	0.32720
Elongation ratio	0.51517
Highest Stream order	5
Max elevation	86.0 m
Min elevation	65.0 m
Mean bifurcation ratio	2.2770
Stream frequency	76.1460 per km ²
Relief	21.00 m
Drainage density	10.4640 km/km ²
Length of overland flow	47.781 m

CATCHMENT CLIMATOLOGY

