

Sinhan Dam

Location	22.2822° N, 69.6981° E
State	Gujarat
Nearest City	Khambhalia
Year of Completion	1952
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Sinhan
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.0 m
Dam length	488.0 m
Reservoir Area	3116685.0 m ²
Gross storage capacity	9910000.0 m ³
Effective storage capacity	8500000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	99.8 km ²
Perimeter of catchment	48.7 km
Basin Length	18713.0 m
Form factor	0.28511
Circularity ratio	0.52872
Elongation ratio	0.60230
Highest Stream order	7
Max elevation	119.0 m
Min elevation	18.0 m
Mean bifurcation ratio	3.3022
Stream frequency	72.1790 per km ²
Relief	101.00 m
Drainage density	9.4380 km/km ²
Length of overland flow	52.976 m

CATCHMENT CLIMATOLOGY

