

Hanshthal Dam

Location	22.2333° N, 69.5608° E
State	Gujarat
Nearest City	Khambhalia
Year of Completion	1902
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Voklo
Dam Type	Earthfill Embankment
Height above lowest foundation level	12.0 m
Dam length	122.0 m
Reservoir Area	1554824.0 m ²
Gross storage capacity	5640000.0 m ³
Effective storage capacity	3940000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	19.7 km ²
Perimeter of catchment	19.1 km
Basin Length	5289.5 m
Form factor	0.70512
Circularity ratio	0.67636
Elongation ratio	0.94720
Highest Stream order	6
Max elevation	58.0 m
Min elevation	24.0 m
Mean bifurcation ratio	2.4037
Stream frequency	70.6600 per km ²
Relief	34.00 m
Drainage density	9.0150 km/km ²
Length of overland flow	55.462 m

CATCHMENT CLIMATOLOGY

