

Hanol Dam

Location	21.6137° N, 70.7440° E
State	Gujarat
Nearest City	Palitana
Year of Completion	1999
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Rajawal
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.9 m
Dam length	4541.8 m
Reservoir Area	3760000.0 m ²
Gross storage capacity	5599600.0 m ³
Effective storage capacity	5420000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	36.6 km ²
Perimeter of catchment	27.1 km
Basin Length	10254.0 m
Form factor	0.34820
Circularity ratio	0.62770
Elongation ratio	0.66561
Highest Stream order	6
Max elevation	181.0 m
Min elevation	126.0 m
Mean bifurcation ratio	3.8444
Stream frequency	75.3920 per km ²
Relief	55.00 m
Drainage density	10.0130 km/km ²
Length of overland flow	49.934 m

CATCHMENT CLIMATOLOGY

