

Hathmati Dam

Location	23.7000° N, 73.1872° E
State	Gujarat
Nearest City	Bhiloda
Year of Completion	1971
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Hatmati
Dam Type	Earthfill Embankment
Height above lowest foundation level	23.6 m
Dam length	933.0 m
Reservoir Area	32360000.0 m ²
Gross storage capacity	161000000.0 m ³
Effective storage capacity	153000000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	459.1 km ²
Perimeter of catchment	140.3 km
Basin Length	46329.0 m
Form factor	0.21391
Circularity ratio	0.29328
Elongation ratio	0.52170
Highest Stream order	8
Max elevation	580.0 m
Min elevation	167.0 m
Mean bifurcation ratio	2.2254
Stream frequency	74.9750 per km ²
Relief	413.00 m
Drainage density	10.0690 km/km ²
Length of overland flow	49.657 m

CATCHMENT CLIMATOLOGY

