

## Hamirpara Dam

Location	21.5050° N, 72.0636° E
State	Gujarat
Nearest City	Talaja
Year of Completion	1985
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Utavali
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.8 m
Dam length	217.0 m
Reservoir Area	1221000.0 m <sup>2</sup>
Gross storage capacity	2407200.0 m <sup>3</sup>
Effective storage capacity	2276000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	27.3 km <sup>2</sup>
Perimeter of catchment	24.9 km
Basin Length	8530.5 m
Form factor	0.37458
Circularity ratio	0.55113
Elongation ratio	0.69037
Highest Stream order	6
Max elevation	205.0 m
Min elevation	78.0 m
Mean bifurcation ratio	2.5281
Stream frequency	75.6840 per km <sup>2</sup>
Relief	127.00 m
Drainage density	10.3260 km/km <sup>2</sup>
Length of overland flow	48.423 m

## CATCHMENT CLIMATOLOGY

Data not available.