

## Hathidra Dam

Location	24.2297° N, 72.6367° E
State	Gujarat
Nearest City	Palanpur
Year of Completion	1985
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	T Of Banas
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.3 m
Dam length	268.0 m
Reservoir Area	37410.0 m <sup>2</sup>
Gross storage capacity	1320000.0 m <sup>3</sup>
Effective storage capacity	1220000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	9.9 km <sup>2</sup>
Perimeter of catchment	13.6 km
Basin Length	4225.5 m
Form factor	0.55203
Circularity ratio	0.66922
Elongation ratio	0.83809
Highest Stream order	5
Max elevation	771.0 m
Min elevation	294.0 m
Mean bifurcation ratio	2.7680
Stream frequency	92.2240 per km <sup>2</sup>
Relief	477.00 m
Drainage density	13.3410 km/km <sup>2</sup>
Length of overland flow	37.478 m

## CATCHMENT CLIMATOLOGY

