

## Kevadi Dam

Location	21.3358° N, 73.3981° E
State	Gujarat
Nearest City	Mandavi
Year of Completion	1977
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Tapi
River	Mandavi Khadi
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.1 m
Dam length	125.9 m
Reservoir Area	947630.0 m <sup>2</sup>
Gross storage capacity	5560000.0 m <sup>3</sup>
Effective storage capacity	5260000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	5.5 km <sup>2</sup>
Perimeter of catchment	11.0 km
Basin Length	3333.7 m
Form factor	0.49822
Circularity ratio	0.57944
Elongation ratio	0.79620
Highest Stream order	5
Max elevation	197.0 m
Min elevation	82.0 m
Mean bifurcation ratio	3.4347
Stream frequency	77.6590 per km <sup>2</sup>
Relief	115.00 m
Drainage density	10.3430 km/km <sup>2</sup>
Length of overland flow	48.342 m

## CATCHMENT CLIMATOLOGY

