

## Karmadiya Dam

Location	21.3258° N, 71.7872° E
State	Gujarat
Nearest City	Mahuva
Year of Completion	Not Available
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Tsipu
Dam Type	Earthfill Embankment
Height above lowest foundation level	12.9 m
Dam length	1041.0 m
Reservoir Area	111325.0 m <sup>2</sup>
Gross storage capacity	1209000.0 m <sup>3</sup>
Effective storage capacity	1082000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	9.4 km <sup>2</sup>
Perimeter of catchment	14.1 km
Basin Length	5451.9 m
Form factor	0.31757
Circularity ratio	0.59822
Elongation ratio	0.63566
Highest Stream order	5
Max elevation	234.0 m
Min elevation	130.0 m
Mean bifurcation ratio	2.1013
Stream frequency	71.1920 per km <sup>2</sup>
Relief	104.00 m
Drainage density	9.1680 km/km <sup>2</sup>
Length of overland flow	54.536 m

## CATCHMENT CLIMATOLOGY

