

## Mapar Dam

Location	22.9431° N, 69.1281° E
State	Gujarat
Nearest City	Mandavi
Year of Completion	1973
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Mandvi
Dam Type	Earthfill Embankment
Height above lowest foundation level	12.6 m
Dam length	1280.0 m
Reservoir Area	327000.0 m <sup>2</sup>
Gross storage capacity	850000.0 m <sup>3</sup>
Effective storage capacity	800000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	14.3 km <sup>2</sup>
Perimeter of catchment	20.7 km
Basin Length	8400.8 m
Form factor	0.20311
Circularity ratio	0.42252
Elongation ratio	0.50837
Highest Stream order	5
Max elevation	53.0 m
Min elevation	12.0 m
Mean bifurcation ratio	2.1467
Stream frequency	69.6930 per km <sup>2</sup>
Relief	41.00 m
Drainage density	8.7730 km/km <sup>2</sup>
Length of overland flow	56.991 m

## CATCHMENT CLIMATOLOGY

Data not available.