

## Koyali-Mandvi Dam

Location	21.3833° N, 73.5667° E
State	Gujarat
Nearest City	Valia
Year of Completion	1981
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Tapi
River	Kotar
Dam Type	Earthfill Embankment
Height above lowest foundation level	11.1 m
Dam length	745.0 m
Reservoir Area	168000.0 m <sup>2</sup>
Gross storage capacity	480000.0 m <sup>3</sup>
Effective storage capacity	450000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2.2 km <sup>2</sup>
Perimeter of catchment	7.1 km
Basin Length	2332.3 m
Form factor	0.40525
Circularity ratio	0.55408
Elongation ratio	0.71808
Highest Stream order	3
Max elevation	290.0 m
Min elevation	230.0 m
Mean bifurcation ratio	2.3207
Stream frequency	72.1270 per km <sup>2</sup>
Relief	60.00 m
Drainage density	9.2740 km/km <sup>2</sup>
Length of overland flow	53.913 m

## CATCHMENT CLIMATOLOGY

