

## Tara-Manjal Dam

Location	23.2542° N, 69.3975° E
State	Gujarat
Nearest City	Nakhatrana
Year of Completion	1949
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local River
Dam Type	Earthfill Embankment
Height above lowest foundation level	11.9 m
Dam length	167.7 m
Reservoir Area	350628.0 m <sup>2</sup>
Gross storage capacity	1600000.0 m <sup>3</sup>
Effective storage capacity	1600000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	34.5 km <sup>2</sup>
Perimeter of catchment	30.2 km
Basin Length	9484.6 m
Form factor	0.38352
Circularity ratio	0.47433
Elongation ratio	0.69856
Highest Stream order	5
Max elevation	261.0 m
Min elevation	149.0 m
Mean bifurcation ratio	2.1745
Stream frequency	75.2170 per km <sup>2</sup>
Relief	112.00 m
Drainage density	9.9250 km/km <sup>2</sup>
Length of overland flow	50.380 m

## CATCHMENT CLIMATOLOGY

