

## Tharawada Dam

Location	23.3578° N, 69.4000° E
State	Gujarat
Nearest City	Nakhatrana
Year of Completion	1975
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local River
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.2 m
Dam length	581.0 m
Reservoir Area	87530.0 m <sup>2</sup>
Gross storage capacity	470000.0 m <sup>3</sup>
Effective storage capacity	470000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	161.1 km <sup>2</sup>
Perimeter of catchment	72.1 km
Basin Length	21136.0 m
Form factor	0.36059
Circularity ratio	0.38933
Elongation ratio	0.67736
Highest Stream order	7
Max elevation	399.0 m
Min elevation	75.0 m
Mean bifurcation ratio	2.1122
Stream frequency	78.2370 per km <sup>2</sup>
Relief	324.00 m
Drainage density	10.7130 km/km <sup>2</sup>
Length of overland flow	46.674 m

## CATCHMENT CLIMATOLOGY

