

## Wada Tharawada Dam

Location	23.1683° N, 70.0225° E
State	Gujarat
Nearest City	Anjar
Year of Completion	1963
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Stream
Dam Type	Earthfill Embankment
Height above lowest foundation level	12.5 m
Dam length	1018.0 m
Reservoir Area	1359889.0 m <sup>2</sup>
Gross storage capacity	1008000.0 m <sup>3</sup>
Effective storage capacity	819000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	54.8 km <sup>2</sup>
Perimeter of catchment	39.5 km
Basin Length	15771.0 m
Form factor	0.22037
Circularity ratio	0.44197
Elongation ratio	0.52952
Highest Stream order	6
Max elevation	147.0 m
Min elevation	61.0 m
Mean bifurcation ratio	2.3940
Stream frequency	67.5380 per km <sup>2</sup>
Relief	86.00 m
Drainage density	8.5210 km/km <sup>2</sup>
Length of overland flow	58.681 m

## CATCHMENT CLIMATOLOGY

