

## Anandpar Dam

Location	22.3208° N, 70.8508° E
State	Gujarat
Nearest City	Rajkot
Year of Completion	1907
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	T-Aji
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.0 m
Dam length	231.0 m
Reservoir Area	2400000.0 m <sup>2</sup>
Gross storage capacity	2266000.0 m <sup>3</sup>
Effective storage capacity	1900000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	11.1 km <sup>2</sup>
Perimeter of catchment	18.3 km
Basin Length	7266.2 m
Form factor	0.21049
Circularity ratio	0.41747
Elongation ratio	0.51751
Highest Stream order	5
Max elevation	176.0 m
Min elevation	129.0 m
Mean bifurcation ratio	2.1333
Stream frequency	71.8060 per km <sup>2</sup>
Relief	47.00 m
Drainage density	9.4310 km/km <sup>2</sup>
Length of overland flow	53.016 m

## CATCHMENT CLIMATOLOGY

