

## Sanala Dam

Location	22.0667° N, 71.4903° E
State	Gujarat
Nearest City	Gadhada
Year of Completion	1982
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Tkeri
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.7 m
Dam length	147.0 m
Reservoir Area	770000.0 m <sup>2</sup>
Gross storage capacity	1580000.0 m <sup>3</sup>
Effective storage capacity	1420000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	22.0 km <sup>2</sup>
Perimeter of catchment	27.7 km
Basin Length	10432.0 m
Form factor	0.20251
Circularity ratio	0.36120
Elongation ratio	0.50761
Highest Stream order	5
Max elevation	238.0 m
Min elevation	116.0 m
Mean bifurcation ratio	2.2288
Stream frequency	74.6940 per km <sup>2</sup>
Relief	122.00 m
Drainage density	9.8300 km/km <sup>2</sup>
Length of overland flow	50.863 m

## CATCHMENT CLIMATOLOGY

