

## Sankroli Dam

Location	21.6533° N, 70.7736° E
State	Gujarat
Nearest City	Kunkavav Vadia
Year of Completion	1965
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Sankaroli
Dam Type	Earthfill Embankment
Height above lowest foundation level	19.2 m
Dam length	1670.0 m
Reservoir Area	3415000.0 m <sup>2</sup>
Gross storage capacity	11000000.0 m <sup>3</sup>
Effective storage capacity	10300000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	85.8 km <sup>2</sup>
Perimeter of catchment	43.0 km
Basin Length	17672.0 m
Form factor	0.27475
Circularity ratio	0.58466
Elongation ratio	0.59125
Highest Stream order	6
Max elevation	196.0 m
Min elevation	116.0 m
Mean bifurcation ratio	2.1192
Stream frequency	75.6740 per km <sup>2</sup>
Relief	80.00 m
Drainage density	10.3250 km/km <sup>2</sup>
Length of overland flow	48.427 m

## CATCHMENT CLIMATOLOGY

