

## Surkhan Dam

Location	23.0361° N, 69.8431° E
State	Gujarat
Nearest City	Anjar
Year of Completion	1966
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Surkhan
Dam Type	Earthfill Embankment
Height above lowest foundation level	20.0 m
Dam length	978.0 m
Reservoir Area	418000.0 m <sup>2</sup>
Gross storage capacity	4020000.0 m <sup>3</sup>
Effective storage capacity	3180000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	58.7 km <sup>2</sup>
Perimeter of catchment	42.2 km
Basin Length	15097.0 m
Form factor	0.25743
Circularity ratio	0.41357
Elongation ratio	0.57232
Highest Stream order	6
Max elevation	237.0 m
Min elevation	71.0 m
Mean bifurcation ratio	2.2334
Stream frequency	81.4490 per km <sup>2</sup>
Relief	166.00 m
Drainage density	11.2240 km/km <sup>2</sup>
Length of overland flow	44.547 m

## CATCHMENT CLIMATOLOGY

