

## Turkha Dam

Location	22.1497° N, 71.5044° E
State	Gujarat
Nearest City	Botad
Year of Completion	1983
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Localnalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	16.0 m
Dam length	1041.0 m
Reservoir Area	530519.0 m <sup>2</sup>
Gross storage capacity	1220000.0 m <sup>3</sup>
Effective storage capacity	860000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	37.0 km <sup>2</sup>
Perimeter of catchment	27.6 km
Basin Length	8937.8 m
Form factor	0.46319
Circularity ratio	0.60928
Elongation ratio	0.76769
Highest Stream order	6
Max elevation	190.0 m
Min elevation	134.0 m
Mean bifurcation ratio	3.8669
Stream frequency	72.9160 per km <sup>2</sup>
Relief	56.00 m
Drainage density	9.6760 km/km <sup>2</sup>
Length of overland flow	51.677 m

## CATCHMENT CLIMATOLOGY

