

Sukhbhadar Dam

Location	22.3439° N, 71.5375° E
State	Gujarat
Nearest City	Botad
Year of Completion	1987
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Sukhbhadar
Dam Type	Earthfill Embankment
Height above lowest foundation level	21.4 m
Dam length	2072.0 m
Reservoir Area	1045000.0 m ²
Gross storage capacity	41130000.0 m ³
Effective storage capacity	37570000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	593.3 km ²
Perimeter of catchment	133.2 km
Basin Length	41741.0 m
Form factor	0.34050
Circularity ratio	0.42015
Elongation ratio	0.65821
Highest Stream order	8
Max elevation	338.0 m
Min elevation	92.0 m
Mean bifurcation ratio	2.4185
Stream frequency	74.1550 per km ²
Relief	246.00 m
Drainage density	9.9950 km/km ²
Length of overland flow	50.027 m

CATCHMENT CLIMATOLOGY

