

Khengar Sagar Dam

Location	23.0233° N, 69.7222° E
State	Gujarat
Nearest City	Mundra
Year of Completion	1943
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Bhukhi
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.6 m
Dam length	747.0 m
Reservoir Area	2518000.0 m ²
Gross storage capacity	9600000.0 m ³
Effective storage capacity	8410000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	150.4 km ²
Perimeter of catchment	61.7 km
Basin Length	21043.0 m
Form factor	0.33967
Circularity ratio	0.49729
Elongation ratio	0.65741
Highest Stream order	7
Max elevation	305.0 m
Min elevation	76.0 m
Mean bifurcation ratio	2.1768
Stream frequency	79.1760 per km ²
Relief	229.00 m
Drainage density	10.8750 km/km ²
Length of overland flow	45.975 m

CATCHMENT CLIMATOLOGY

