

Khodasar Dam

Location	23.3883° N, 70.6569° E
State	Gujarat
Nearest City	Rapar
Year of Completion	1975
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Khari
Dam Type	Earthfill Embankment
Height above lowest foundation level	21.1 m
Dam length	797.3 m
Reservoir Area	7119000.0 m ²
Gross storage capacity	686000000.0 m ³
Effective storage capacity	580000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	9.2 km ²
Perimeter of catchment	13.4 km
Basin Length	4690.9 m
Form factor	0.41834
Circularity ratio	0.64901
Elongation ratio	0.72958
Highest Stream order	5
Max elevation	135.0 m
Min elevation	69.0 m
Mean bifurcation ratio	2.5178
Stream frequency	82.0170 per km ²
Relief	66.00 m
Drainage density	10.7750 km/km ²
Length of overland flow	46.405 m

CATCHMENT CLIMATOLOGY

