

Kharo Dam

Location	21.5019° N, 71.8650° E
State	Gujarat
Nearest City	Palitana
Year of Completion	1982
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Kharo
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.4 m
Dam length	163.4 m
Reservoir Area	1990000.0 m ²
Gross storage capacity	12240000.0 m ³
Effective storage capacity	11840000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	235.2 km ²
Perimeter of catchment	80.2 km
Basin Length	30283.0 m
Form factor	0.25642
Circularity ratio	0.45920
Elongation ratio	0.57119
Highest Stream order	7
Max elevation	573.0 m
Min elevation	31.0 m
Mean bifurcation ratio	2.1485
Stream frequency	69.4870 per km ²
Relief	542.00 m
Drainage density	8.9930 km/km ²
Length of overland flow	55.600 m

CATCHMENT CLIMATOLOGY

