

Kharod Dam

Location	23.0539° N, 69.3550° E
State	Gujarat
Nearest City	Mandvi
Year of Completion	1941
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Kharod
Dam Type	Earthfill Embankment
Height above lowest foundation level	23.0 m
Dam length	419.0 m
Reservoir Area	2588500.0 m ²
Gross storage capacity	9740000.0 m ³
Effective storage capacity	8500000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	101.1 km ²
Perimeter of catchment	51.8 km
Basin Length	17445.0 m
Form factor	0.33214
Circularity ratio	0.47403
Elongation ratio	0.65009
Highest Stream order	6
Max elevation	401.0 m
Min elevation	80.0 m
Mean bifurcation ratio	2.1333
Stream frequency	77.8030 per km ²
Relief	321.00 m
Drainage density	10.5580 km/km ²
Length of overland flow	47.355 m

CATCHMENT CLIMATOLOGY

