

Khirad Dam

Location	20.4480° N, 73.8235° E
State	Maharashtra
Nearest City	Kalwan
Year of Completion	1992
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Tapi
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	20.0 m
Dam length	230.0 m
Reservoir Area	235800.0 m ²
Gross storage capacity	1400000.0 m ³
Effective storage capacity	1330000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	8.4 km ²
Perimeter of catchment	12.4 km
Basin Length	3458.1 m
Form factor	0.69848
Circularity ratio	0.68765
Elongation ratio	0.94273
Highest Stream order	5
Max elevation	1090.0 m
Min elevation	742.0 m
Mean bifurcation ratio	4.9409
Stream frequency	89.6710 per km ²
Relief	348.00 m
Drainage density	13.0860 km/km ²
Length of overland flow	38.209 m

CATCHMENT CLIMATOLOGY

