

Kalbhar Dam

Location	21.8614° N, 71.6292° E
State	Gujarat
Nearest City	Dhari
Year of Completion	2009
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Mahadevia
Dam Type	Earthfill Embankment
Height above lowest foundation level	20.7 m
Dam length	339.9 m
Reservoir Area	174600.0 m ²
Gross storage capacity	1181250.0 m ³
Effective storage capacity	1055500.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	696.6 km ²
Perimeter of catchment	134.2 km
Basin Length	44962.0 m
Form factor	0.34456
Circularity ratio	0.48619
Elongation ratio	0.66213
Highest Stream order	8
Max elevation	291.0 m
Min elevation	42.0 m
Mean bifurcation ratio	2.2878
Stream frequency	67.4460 per km ²
Relief	249.00 m
Drainage density	8.6610 km/km ²
Length of overland flow	57.731 m

CATCHMENT CLIMATOLOGY

