

Kalubhar Dam

Location	22.7333° N, 71.1000° E
State	Gujarat
Nearest City	Gadhada
Year of Completion	1958
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Kalubhar
Dam Type	Earthfill Embankment
Height above lowest foundation level	16.5 m
Dam length	1094.5 m
Reservoir Area	9620000.0 m ²
Gross storage capacity	26110000.0 m ³
Effective storage capacity	24590000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2.0 km ²
Perimeter of catchment	5.7 km
Basin Length	1603.5 m
Form factor	0.78217
Circularity ratio	0.77511
Elongation ratio	0.99761
Highest Stream order	4
Max elevation	115.0 m
Min elevation	98.0 m
Mean bifurcation ratio	2.4159
Stream frequency	78.0610 per km ²
Relief	17.00 m
Drainage density	9.4960 km/km ²
Length of overland flow	52.656 m

CATCHMENT CLIMATOLOGY

