

Kalaghogha Dam

Location	22.9306° N, 69.6817° E
State	Gujarat
Nearest City	Mundra
Year of Completion	1987
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Phot
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.9 m
Dam length	1346.0 m
Reservoir Area	1170000.0 m ²
Gross storage capacity	4980000.0 m ³
Effective storage capacity	4260000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	175.2 km ²
Perimeter of catchment	64.4 km
Basin Length	21744.0 m
Form factor	0.37061
Circularity ratio	0.53074
Elongation ratio	0.68670
Highest Stream order	7
Max elevation	257.0 m
Min elevation	31.0 m
Mean bifurcation ratio	2.3402
Stream frequency	75.0350 per km ²
Relief	226.00 m
Drainage density	10.0490 km/km ²
Length of overland flow	49.758 m

CATCHMENT CLIMATOLOGY

