

Khambhada Dam

Location	22.1622° N, 71.7922° E
State	Gujarat
Nearest City	Dhandhuka
Year of Completion	1988
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Utavali
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.9 m
Dam length	3700.0 m
Reservoir Area	2960000.0 m ²
Gross storage capacity	4410000.0 m ³
Effective storage capacity	3490000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	108.5 km ²
Perimeter of catchment	65.3 km
Basin Length	25375.0 m
Form factor	0.16854
Circularity ratio	0.31993
Elongation ratio	0.46308
Highest Stream order	7
Max elevation	147.0 m
Min elevation	34.0 m
Mean bifurcation ratio	2.4711
Stream frequency	70.1350 per km ²
Relief	113.00 m
Drainage density	9.1070 km/km ²
Length of overland flow	54.904 m

CATCHMENT CLIMATOLOGY

