

## Kundhada Dam

Location	22.9500° N, 71.1333° E
State	Gujarat
Nearest City	Chotila
Year of Completion	1957
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Tlimbali
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.5 m
Dam length	557.0 m
Reservoir Area	3419877.0 m <sup>2</sup>
Gross storage capacity	1385000.0 m <sup>3</sup>
Effective storage capacity	1047000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2.4 km <sup>2</sup>
Perimeter of catchment	9.6 km
Basin Length	3532.7 m
Form factor	0.19018
Circularity ratio	0.32277
Elongation ratio	0.49191
Highest Stream order	3
Max elevation	73.0 m
Min elevation	53.0 m
Mean bifurcation ratio	2.1974
Stream frequency	75.8420 per km <sup>2</sup>
Relief	20.00 m
Drainage density	9.4830 km/km <sup>2</sup>
Length of overland flow	52.727 m

## CATCHMENT CLIMATOLOGY

