

## Bhesania Dam

Location	21.3976° N, 71.3224° E
State	Gujarat
Nearest City	S.Kundala
Year of Completion	2009
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Bhesania
Dam Type	Earthfill Embankment
Height above lowest foundation level	m
Dam length	m
Reservoir Area	100000.0 m <sup>2</sup>
Gross storage capacity	369860.0 m <sup>3</sup>
Effective storage capacity	320060.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	137.8 km <sup>2</sup>
Perimeter of catchment	82.1 km
Basin Length	32958.0 m
Form factor	0.12683
Circularity ratio	0.25723
Elongation ratio	0.40171
Highest Stream order	6
Max elevation	378.0 m
Min elevation	99.0 m
Mean bifurcation ratio	2.0001
Stream frequency	69.3350 per km <sup>2</sup>
Relief	279.00 m
Drainage density	9.0720 km/km <sup>2</sup>
Length of overland flow	55.112 m

## CATCHMENT CLIMATOLOGY

