

## Ramdhani Dam

Location	21.7072° N, 71.8083° E
State	Gujarat
Nearest City	Sihor
Year of Completion	1914
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Phalka Nadi
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.0 m
Dam length	275.0 m
Reservoir Area	375011.0 m <sup>2</sup>
Gross storage capacity	2040000.0 m <sup>3</sup>
Effective storage capacity	2040000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	19.7 km <sup>2</sup>
Perimeter of catchment	21.7 km
Basin Length	7250.0 m
Form factor	0.37485
Circularity ratio	0.52394
Elongation ratio	0.69062
Highest Stream order	6
Max elevation	130.0 m
Min elevation	53.0 m
Mean bifurcation ratio	2.4021
Stream frequency	74.3530 per km <sup>2</sup>
Relief	77.00 m
Drainage density	9.8340 km/km <sup>2</sup>
Length of overland flow	50.842 m

## CATCHMENT CLIMATOLOGY

