

## Dhrufania Dam

Location	21.7361° N, 71.5525° E
State	Gujarat
Nearest City	Damnagar
Year of Completion	1962
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Stream
Dam Type	Earthfill Embankment
Height above lowest foundation level	11.0 m
Dam length	549.0 m
Reservoir Area	889049.0 m <sup>2</sup>
Gross storage capacity	1491000.0 m <sup>3</sup>
Effective storage capacity	1313000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	24.4 km <sup>2</sup>
Perimeter of catchment	27.3 km
Basin Length	9919.9 m
Form factor	0.24837
Circularity ratio	0.41284
Elongation ratio	0.56216
Highest Stream order	5
Max elevation	121.0 m
Min elevation	79.0 m
Mean bifurcation ratio	2.9612
Stream frequency	64.7270 per km <sup>2</sup>
Relief	42.00 m
Drainage density	8.0700 km/km <sup>2</sup>
Length of overland flow	61.955 m

## CATCHMENT CLIMATOLOGY

