

## Mevasa Dam

Location	22.2900° N, 71.2517° E
State	Gujarat
Nearest City	Chotila
Year of Completion	1961
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Dundhala
Dam Type	Earthfill Embankment
Height above lowest foundation level	24.0 m
Dam length	3284.0 m
Reservoir Area	561643.0 m <sup>2</sup>
Gross storage capacity	5800000.0 m <sup>3</sup>
Effective storage capacity	5182000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	35.7 km <sup>2</sup>
Perimeter of catchment	28.9 km
Basin Length	10603.0 m
Form factor	0.31722
Circularity ratio	0.53595
Elongation ratio	0.63532
Highest Stream order	6
Max elevation	338.0 m
Min elevation	193.0 m
Mean bifurcation ratio	2.3715
Stream frequency	77.5000 per km <sup>2</sup>
Relief	145.00 m
Drainage density	10.6280 km/km <sup>2</sup>
Length of overland flow	47.045 m

## CATCHMENT CLIMATOLOGY

