

## Mamuara Dam

Location	23.2775° N, 69.8692° E
State	Gujarat
Nearest City	Bhuj
Year of Completion	1942
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Stream
Dam Type	Earthfill Embankment
Height above lowest foundation level	10.5 m
Dam length	1128.0 m
Reservoir Area	435000.0 m <sup>2</sup>
Gross storage capacity	742000000.0 m <sup>3</sup>
Effective storage capacity	706000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	4.6 km <sup>2</sup>
Perimeter of catchment	9.7 km
Basin Length	3417.7 m
Form factor	0.39225
Circularity ratio	0.61027
Elongation ratio	0.70646
Highest Stream order	4
Max elevation	150.0 m
Min elevation	104.0 m
Mean bifurcation ratio	2.0487
Stream frequency	77.9210 per km <sup>2</sup>
Relief	46.00 m
Drainage density	9.7170 km/km <sup>2</sup>
Length of overland flow	51.457 m

## CATCHMENT CLIMATOLOGY

