

Mamasi Dam

Location	21.5256° N, 72.0344° E
State	Gujarat
Nearest City	Sihor
Year of Completion	1988
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Mamasio
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.3 m
Dam length	539.0 m
Reservoir Area	456000.0 m ²
Gross storage capacity	1378000.0 m ³
Effective storage capacity	1378000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	10.8 km ²
Perimeter of catchment	16.9 km
Basin Length	6085.3 m
Form factor	0.29194
Circularity ratio	0.47732
Elongation ratio	0.60948
Highest Stream order	5
Max elevation	201.0 m
Min elevation	97.0 m
Mean bifurcation ratio	2.3711
Stream frequency	75.2940 per km ²
Relief	104.00 m
Drainage density	9.6860 km/km ²
Length of overland flow	51.623 m

CATCHMENT CLIMATOLOGY

Data not available.