

Mazam Dam

Location	23.4839° N, 73.3556° E
State	Gujarat
Nearest City	Modasa
Year of Completion	1984
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Mazam
Dam Type	Earthfill Embankment
Height above lowest foundation level	28.8 m
Dam length	2402.0 m
Reservoir Area	13100000.0 m ²
Gross storage capacity	43860000.0 m ³
Effective storage capacity	36580000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	409.2 km ²
Perimeter of catchment	115.0 km
Basin Length	44267.0 m
Form factor	0.20881
Circularity ratio	0.38908
Elongation ratio	0.51544
Highest Stream order	7
Max elevation	372.0 m
Min elevation	138.0 m
Mean bifurcation ratio	2.2532
Stream frequency	72.1160 per km ²
Relief	234.00 m
Drainage density	9.4020 km/km ²
Length of overland flow	53.180 m

CATCHMENT CLIMATOLOGY

