

Godhatad Dam

Location	23.6711° N, 68.6581° E
State	Gujarat
Nearest City	Lakhpat
Year of Completion	1983
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Mitiarwali
Dam Type	Earthfill Embankment
Height above lowest foundation level	24.0 m
Dam length	1060.0 m
Reservoir Area	3510000.0 m ²
Gross storage capacity	14650000.0 m ³
Effective storage capacity	13920000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	199.6 km ²
Perimeter of catchment	65.7 km
Basin Length	18467.0 m
Form factor	0.58543
Circularity ratio	0.58107
Elongation ratio	0.86307
Highest Stream order	7
Max elevation	122.0 m
Min elevation	10.0 m
Mean bifurcation ratio	2.0625
Stream frequency	75.1650 per km ²
Relief	112.00 m
Drainage density	10.0440 km/km ²
Length of overland flow	49.780 m

CATCHMENT CLIMATOLOGY

