

## Morsal Dam

Location	22.3922° N, 71.2547° E
State	Gujarat
Nearest City	Chotila
Year of Completion	1992
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Morsal Dudhari
Dam Type	Other
Height above lowest foundation level	23.9 m
Dam length	3284.0 m
Reservoir Area	1634000.0 m <sup>2</sup>
Gross storage capacity	3250000.0 m <sup>3</sup>
Effective storage capacity	3050000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	46.5 km <sup>2</sup>
Perimeter of catchment	36.0 km
Basin Length	12590.0 m
Form factor	0.29363
Circularity ratio	0.45200
Elongation ratio	0.61124
Highest Stream order	6
Max elevation	328.0 m
Min elevation	171.0 m
Mean bifurcation ratio	2.2386
Stream frequency	73.5270 per km <sup>2</sup>
Relief	157.00 m
Drainage density	9.8620 km/km <sup>2</sup>
Length of overland flow	50.701 m

## CATCHMENT CLIMATOLOGY

