

Moldi Dam

Location	22.4075° N, 71.1244° E
State	Gujarat
Nearest City	Chotila
Year of Completion	1902
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	T-Machhu
Dam Type	Earthfill Embankment
Height above lowest foundation level	12.0 m
Dam length	1440.0 m
Reservoir Area	1501896.0 m ²
Gross storage capacity	2265000.0 m ³
Effective storage capacity	2265000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	26.4 km ²
Perimeter of catchment	23.6 km
Basin Length	7356.7 m
Form factor	0.48802
Circularity ratio	0.59682
Elongation ratio	0.78800
Highest Stream order	5
Max elevation	320.0 m
Min elevation	201.0 m
Mean bifurcation ratio	2.3609
Stream frequency	78.9030 per km ²
Relief	119.00 m
Drainage density	10.7920 km/km ²
Length of overland flow	46.332 m

CATCHMENT CLIMATOLOGY

