

Meshwo Dam

Location	23.6817° N, 73.3919° E
State	Gujarat
Nearest City	Bhiloda
Year of Completion	1971
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Meshwo
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.3 m
Dam length	168.0 m
Reservoir Area	11160000.0 m ²
Gross storage capacity	82000000.0 m ³
Effective storage capacity	77000000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	264.1 km ²
Perimeter of catchment	97.6 km
Basin Length	29844.0 m
Form factor	0.29654
Circularity ratio	0.34831
Elongation ratio	0.61426
Highest Stream order	7
Max elevation	530.0 m
Min elevation	190.0 m
Mean bifurcation ratio	2.1973
Stream frequency	72.1280 per km ²
Relief	340.00 m
Drainage density	9.3770 km/km ²
Length of overland flow	53.323 m

CATCHMENT CLIMATOLOGY

