

Meshwo Weir Dam

Location	22.9039° N, 72.7408° E
State	Gujarat
Nearest City	Mahem Davad
Year of Completion	1948
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Meshwo
Dam Type	Other
Height above lowest foundation level	10.1 m
Dam length	166.1 m
Reservoir Area	21049.0 m ²
Gross storage capacity	m ³
Effective storage capacity	m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2610.7 km ²
Perimeter of catchment	438.2 km
Basin Length	146990.0 m
Form factor	0.12083
Circularity ratio	0.17090
Elongation ratio	0.39210
Highest Stream order	8
Max elevation	535.0 m
Min elevation	33.0 m
Mean bifurcation ratio	1.9812
Stream frequency	71.0270 per km ²
Relief	502.00 m
Drainage density	9.2610 km/km ²
Length of overland flow	53.990 m

CATCHMENT CLIMATOLOGY

