

Dhunai Dam

Location	23.0683° N, 69.5003° E
State	Gujarat
Nearest City	Mandvi
Year of Completion	1969
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Stream
Dam Type	Earthfill Embankment
Height above lowest foundation level	25.3 m
Dam length	375.3 m
Reservoir Area	165000.0 m ²
Gross storage capacity	1510000.0 m ³
Effective storage capacity	1280000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	13.7 km ²
Perimeter of catchment	17.7 km
Basin Length	5793.1 m
Form factor	0.40857
Circularity ratio	0.54971
Elongation ratio	0.72101
Highest Stream order	5
Max elevation	183.0 m
Min elevation	118.0 m
Mean bifurcation ratio	2.3054
Stream frequency	78.2560 per km ²
Relief	65.00 m
Drainage density	10.6290 km/km ²
Length of overland flow	47.042 m

CATCHMENT CLIMATOLOGY

