

Hadmatia Dam

Location	24.4222° N, 72.4272° E
State	Gujarat
Nearest City	Dantiwada
Year of Completion	1980
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Tsipu
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.1 m
Dam length	1694.0 m
Reservoir Area	64750000.0 m ²
Gross storage capacity	3567000.0 m ³
Effective storage capacity	2948000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	63.9 km ²
Perimeter of catchment	38.2 km
Basin Length	12998.0 m
Form factor	0.37806
Circularity ratio	0.54908
Elongation ratio	0.69357
Highest Stream order	6
Max elevation	1025.0 m
Min elevation	217.0 m
Mean bifurcation ratio	2.3026
Stream frequency	83.2230 per km ²
Relief	808.00 m
Drainage density	11.6850 km/km ²
Length of overland flow	42.789 m

CATCHMENT CLIMATOLOGY

