

Fategadhi Dam

Location	23.2200° N, 74.0781° E
State	Gujarat
Nearest City	Fatepura
Year of Completion	1972
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Mahi
River	Fatehgadhi
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.0 m
Dam length	150.0 m
Reservoir Area	340000.0 m ²
Gross storage capacity	2520000.0 m ³
Effective storage capacity	2100000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	6.3 km ²
Perimeter of catchment	11.8 km
Basin Length	3837.6 m
Form factor	0.42539
Circularity ratio	0.56500
Elongation ratio	0.73571
Highest Stream order	4
Max elevation	289.0 m
Min elevation	213.0 m
Mean bifurcation ratio	2.1742
Stream frequency	69.7530 per km ²
Relief	76.00 m
Drainage density	8.4850 km/km ²
Length of overland flow	58.930 m

CATCHMENT CLIMATOLOGY

