

Ghasia Dam

Location	23.0714° N, 74.1203° E
State	Gujarat
Nearest City	Jhalod
Year of Completion	1975
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Mahi
River	Kotar
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.0 m
Dam length	1320.0 m
Reservoir Area	290000.0 m ²
Gross storage capacity	923000.0 m ³
Effective storage capacity	843000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	19.7 km ²
Perimeter of catchment	21.6 km
Basin Length	7326.8 m
Form factor	0.36670
Circularity ratio	0.52870
Elongation ratio	0.68307
Highest Stream order	5
Max elevation	360.0 m
Min elevation	264.0 m
Mean bifurcation ratio	2.1913
Stream frequency	79.0950 per km ²
Relief	96.00 m
Drainage density	10.6930 km/km ²
Length of overland flow	46.760 m

CATCHMENT CLIMATOLOGY

