

Rudarmata Dam

Location	23.3728° N, 69.7131° E
State	Gujarat
Nearest City	Bhuj
Year of Completion	1970
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Khari
Dam Type	Earthfill Embankment
Height above lowest foundation level	27.4 m
Dam length	875.0 m
Reservoir Area	8200000.0 m ²
Gross storage capacity	64740000.0 m ³
Effective storage capacity	55700000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	572.3 km ²
Perimeter of catchment	133.3 km
Basin Length	33610.0 m
Form factor	0.50664
Circularity ratio	0.40461
Elongation ratio	0.80290
Highest Stream order	8
Max elevation	305.0 m
Min elevation	25.0 m
Mean bifurcation ratio	2.7877
Stream frequency	77.3670 per km ²
Relief	280.00 m
Drainage density	10.5780 km/km ²
Length of overland flow	47.266 m

CATCHMENT CLIMATOLOGY

