

Ravana Dam

Location	21.8500° N, 71.8500° E
State	Gujarat
Nearest City	Babara
Year of Completion	1987
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Rampari
Dam Type	Earthfill Embankment
Height above lowest foundation level	12.5 m
Dam length	250.9 m
Reservoir Area	643400.0 m ²
Gross storage capacity	1141300.0 m ³
Effective storage capacity	989500.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	863.0 km ²
Perimeter of catchment	181.2 km
Basin Length	69562.0 m
Form factor	0.17835
Circularity ratio	0.33059
Elongation ratio	0.47637
Highest Stream order	8
Max elevation	291.0 m
Min elevation	14.0 m
Mean bifurcation ratio	2.1284
Stream frequency	67.7120 per km ²
Relief	277.00 m
Drainage density	8.7020 km/km ²
Length of overland flow	57.456 m

CATCHMENT CLIMATOLOGY

