

## Ranala Dam

Location	21.2025° N, 71.0669° E
State	Gujarat
Nearest City	Dhari
Year of Completion	1988
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Ranala
Dam Type	Earthfill Embankment
Height above lowest foundation level	m
Dam length	m
Reservoir Area	660000.0 m <sup>2</sup>
Gross storage capacity	1355420.0 m <sup>3</sup>
Effective storage capacity	1163400.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	10.6 km <sup>2</sup>
Perimeter of catchment	15.6 km
Basin Length	4315.1 m
Form factor	0.56679
Circularity ratio	0.54780
Elongation ratio	0.84922
Highest Stream order	5
Max elevation	398.0 m
Min elevation	279.0 m
Mean bifurcation ratio	2.8754
Stream frequency	73.0560 per km <sup>2</sup>
Relief	119.00 m
Drainage density	9.3130 km/km <sup>2</sup>
Length of overland flow	53.691 m

## CATCHMENT CLIMATOLOGY

