

## Ranghola Dam

Location	21.7644° N, 71.6525° E
State	Gujarat
Nearest City	Umralla
Year of Completion	1952
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Rangholi
Dam Type	Other
Height above lowest foundation level	24.0 m
Dam length	1952.0 m
Reservoir Area	11620000.0 m <sup>2</sup>
Gross storage capacity	44547000.0 m <sup>3</sup>
Effective storage capacity	42890000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	397.6 km <sup>2</sup>
Perimeter of catchment	95.8 km
Basin Length	26164.0 m
Form factor	0.58077
Circularity ratio	0.54400
Elongation ratio	0.85963
Highest Stream order	7
Max elevation	132.0 m
Min elevation	44.0 m
Mean bifurcation ratio	2.4538
Stream frequency	67.0780 per km <sup>2</sup>
Relief	88.00 m
Drainage density	8.5330 km/km <sup>2</sup>
Length of overland flow	58.596 m

## CATCHMENT CLIMATOLOGY

