

## Rangmati Dam

Location	22.3375° N, 70.0503° E
State	Gujarat
Nearest City	Jamnagar
Year of Completion	1984
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Rangmati
Dam Type	Other
Height above lowest foundation level	15.0 m
Dam length	2765.0 m
Reservoir Area	1775000.0 m <sup>2</sup>
Gross storage capacity	3778000.0 m <sup>3</sup>
Effective storage capacity	3474000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	70.9 km <sup>2</sup>
Perimeter of catchment	46.3 km
Basin Length	18144.0 m
Form factor	0.21532
Circularity ratio	0.41561
Elongation ratio	0.52342
Highest Stream order	6
Max elevation	173.0 m
Min elevation	38.0 m
Mean bifurcation ratio	2.1091
Stream frequency	71.3290 per km <sup>2</sup>
Relief	135.00 m
Drainage density	9.3670 km/km <sup>2</sup>
Length of overland flow	53.378 m

## CATCHMENT CLIMATOLOGY

