

## Kakrapar Dam

Location	21.2664° N, 73.3647° E
State	Gujarat
Nearest City	Kakrapar
Year of Completion	1954
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Tapi
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Dam Type	Other
Height above lowest foundation level	15.5 m
Dam length	7315.0 m
Reservoir Area	442000000.0 m <sup>2</sup>
Gross storage capacity	51510000.0 m <sup>3</sup>
Effective storage capacity	36510000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	62646.0 km <sup>2</sup>
Perimeter of catchment	1872.0 km
Basin Length	549320.0 m
Form factor	0.20761
Circularity ratio	0.22471
Elongation ratio	0.51396
Highest Stream order	11
Max elevation	1483.0 m
Min elevation	22.0 m
Mean bifurcation ratio	2.1508
Stream frequency	74.6170 per km <sup>2</sup>
Relief	1461.00 m
Drainage density	10.2200 km/km <sup>2</sup>
Length of overland flow	48.925 m

## CATCHMENT CLIMATOLOGY

