

## Mota Gujariya Dam

Location	21.4964° N, 70.7544° E
State	Gujarat
Nearest City	Bhesan
Year of Completion	2007
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Dhrokadava Vonkla
Dam Type	Other
Height above lowest foundation level	14.3 m
Dam length	2293.0 m
Reservoir Area	1400200.0 m <sup>2</sup>
Gross storage capacity	7640000.0 m <sup>3</sup>
Effective storage capacity	7472700.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	68.7 km <sup>2</sup>
Perimeter of catchment	37.1 km
Basin Length	12968.0 m
Form factor	0.40844
Circularity ratio	0.62891
Elongation ratio	0.72090
Highest Stream order	6
Max elevation	193.0 m
Min elevation	126.0 m
Mean bifurcation ratio	2.2337
Stream frequency	73.7870 per km <sup>2</sup>
Relief	67.00 m
Drainage density	9.8830 km/km <sup>2</sup>
Length of overland flow	50.594 m

## CATCHMENT CLIMATOLOGY

