

## Gebanshapir Dam

Location	22.0000° N, 70.1933° E
State	Gujarat
Nearest City	Jamjodhpur
Year of Completion	1992
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Fulzer
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.7 m
Dam length	221.0 m
Reservoir Area	244920.0 m <sup>2</sup>
Gross storage capacity	2030000.0 m <sup>3</sup>
Effective storage capacity	1830000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	11.2 km <sup>2</sup>
Perimeter of catchment	16.3 km
Basin Length	6368.5 m
Form factor	0.27589
Circularity ratio	0.52816
Elongation ratio	0.59248
Highest Stream order	5
Max elevation	232.0 m
Min elevation	132.0 m
Mean bifurcation ratio	2.3227
Stream frequency	83.2920 per km <sup>2</sup>
Relief	100.00 m
Drainage density	11.6860 km/km <sup>2</sup>
Length of overland flow	42.785 m

## CATCHMENT CLIMATOLOGY

