

## Vansal Dam

Location	22.4781° N, 71.6908° E
State	Gujarat
Nearest City	Chuda
Year of Completion	1990
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Vansal
Dam Type	Other
Height above lowest foundation level	13.8 m
Dam length	3330.0 m
Reservoir Area	2150000.0 m <sup>2</sup>
Gross storage capacity	3970000.0 m <sup>3</sup>
Effective storage capacity	3330000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	88.1 km <sup>2</sup>
Perimeter of catchment	50.1 km
Basin Length	19626.0 m
Form factor	0.22881
Circularity ratio	0.44171
Elongation ratio	0.53957
Highest Stream order	6
Max elevation	130.0 m
Min elevation	62.0 m
Mean bifurcation ratio	2.1121
Stream frequency	71.8580 per km <sup>2</sup>
Relief	68.00 m
Drainage density	9.3840 km/km <sup>2</sup>
Length of overland flow	53.281 m

## CATCHMENT CLIMATOLOGY

