

## Vanala Dam

Location	22.0572° N, 71.4386° E
State	Gujarat
Nearest City	Jasdan
Year of Completion	1973
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Khari
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.5 m
Dam length	477.0 m
Reservoir Area	200055.0 m <sup>2</sup>
Gross storage capacity	623000.0 m <sup>3</sup>
Effective storage capacity	623000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	5.3 km <sup>2</sup>
Perimeter of catchment	13.7 km
Basin Length	4876.0 m
Form factor	0.22284
Circularity ratio	0.35456
Elongation ratio	0.53248
Highest Stream order	4
Max elevation	238.0 m
Min elevation	144.0 m
Mean bifurcation ratio	2.2017
Stream frequency	73.9900 per km <sup>2</sup>
Relief	94.00 m
Drainage density	9.2800 km/km <sup>2</sup>
Length of overland flow	53.879 m

## CATCHMENT CLIMATOLOGY

