

## Goma(Saurashtra) Dam

Location	22.2406° N, 71.5061° E
State	Gujarat
Nearest City	Botad
Year of Completion	1973
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Goma
Dam Type	Earthfill Embankment
Height above lowest foundation level	27.0 m
Dam length	2273.0 m
Reservoir Area	5100000.0 m <sup>2</sup>
Gross storage capacity	18260000.0 m <sup>3</sup>
Effective storage capacity	16460000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	177.1 km <sup>2</sup>
Perimeter of catchment	71.3 km
Basin Length	26150.0 m
Form factor	0.25899
Circularity ratio	0.43849
Elongation ratio	0.57406
Highest Stream order	7
Max elevation	297.0 m
Min elevation	112.0 m
Mean bifurcation ratio	3.0473
Stream frequency	75.0480 per km <sup>2</sup>
Relief	185.00 m
Drainage density	10.1310 km/km <sup>2</sup>
Length of overland flow	49.351 m

## CATCHMENT CLIMATOLOGY

