

## Goyasundal Dam

Location	22.6325° N, 73.6906° E
State	Gujarat
Nearest City	Devgadh Bariya
Year of Completion	1988
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Mahi
River	Kotar
Dam Type	Earthfill Embankment
Height above lowest foundation level	26.0 m
Dam length	756.0 m
Reservoir Area	482000.0 m <sup>2</sup>
Gross storage capacity	2216000.0 m <sup>3</sup>
Effective storage capacity	1326000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	8.5 km <sup>2</sup>
Perimeter of catchment	15.5 km
Basin Length	4659.5 m
Form factor	0.39056
Circularity ratio	0.44188
Elongation ratio	0.70494
Highest Stream order	5
Max elevation	222.0 m
Min elevation	152.0 m
Mean bifurcation ratio	2.2069
Stream frequency	72.0550 per km <sup>2</sup>
Relief	70.00 m
Drainage density	9.0630 km/km <sup>2</sup>
Length of overland flow	55.168 m

## CATCHMENT CLIMATOLOGY

