

## Karmal Dam

Location	22.0289° N, 70.9911° E
State	Gujarat
Nearest City	Kotda Sangdi
Year of Completion	1984
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Karmal
Dam Type	Other
Height above lowest foundation level	12.2 m
Dam length	2046.0 m
Reservoir Area	4371000.0 m <sup>2</sup>
Gross storage capacity	12700000.0 m <sup>3</sup>
Effective storage capacity	10300000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	167.6 km <sup>2</sup>
Perimeter of catchment	59.9 km
Basin Length	17892.0 m
Form factor	0.52345
Circularity ratio	0.58677
Elongation ratio	0.81611
Highest Stream order	7
Max elevation	302.0 m
Min elevation	157.0 m
Mean bifurcation ratio	3.1292
Stream frequency	72.9520 per km <sup>2</sup>
Relief	145.00 m
Drainage density	9.7000 km/km <sup>2</sup>
Length of overland flow	51.549 m

## CATCHMENT CLIMATOLOGY

