

## Kakari Mahudi Dam

Location	23.4131° N, 73.6292° E
State	Gujarat
Nearest City	Lunawada
Year of Completion	1976
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Mahi
River	Kotar
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.0 m
Dam length	810.0 m
Reservoir Area	455000.0 m <sup>2</sup>
Gross storage capacity	688000.0 m <sup>3</sup>
Effective storage capacity	611000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	6.3 km <sup>2</sup>
Perimeter of catchment	12.0 km
Basin Length	4004.2 m
Form factor	0.39391
Circularity ratio	0.55281
Elongation ratio	0.70796
Highest Stream order	4
Max elevation	222.0 m
Min elevation	169.0 m
Mean bifurcation ratio	2.1157
Stream frequency	71.4070 per km <sup>2</sup>
Relief	53.00 m
Drainage density	8.7090 km/km <sup>2</sup>
Length of overland flow	57.409 m

## CATCHMENT CLIMATOLOGY

