

## Jesola Kamalpur Dam

Location	23.0200° N, 73.5503° E
State	Gujarat
Nearest City	Lunawada
Year of Completion	1980
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Mahi
River	Kotar
Dam Type	Earthfill Embankment
Height above lowest foundation level	25.0 m
Dam length	165.0 m
Reservoir Area	450000.0 m <sup>2</sup>
Gross storage capacity	1347000.0 m <sup>3</sup>
Effective storage capacity	1067000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	3.9 km <sup>2</sup>
Perimeter of catchment	10.4 km
Basin Length	3607.3 m
Form factor	0.30078
Circularity ratio	0.45604
Elongation ratio	0.61863
Highest Stream order	4
Max elevation	160.0 m
Min elevation	98.0 m
Mean bifurcation ratio	2.1594
Stream frequency	74.0930 per km <sup>2</sup>
Relief	62.00 m
Drainage density	9.3410 km/km <sup>2</sup>
Length of overland flow	53.529 m

## CATCHMENT CLIMATOLOGY

