

## Darsadi Dam

Location	23.0689° N, 69.4000° E
State	Gujarat
Nearest City	Mandavi
Year of Completion	1971
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Kharo
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.9 m
Dam length	629.8 m
Reservoir Area	193000.0 m <sup>2</sup>
Gross storage capacity	705000.0 m <sup>3</sup>
Effective storage capacity	560000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	6.7 km <sup>2</sup>
Perimeter of catchment	12.7 km
Basin Length	4515.0 m
Form factor	0.32800
Circularity ratio	0.52260
Elongation ratio	0.64602
Highest Stream order	5
Max elevation	142.0 m
Min elevation	105.0 m
Mean bifurcation ratio	2.5878
Stream frequency	78.0700 per km <sup>2</sup>
Relief	37.00 m
Drainage density	10.3230 km/km <sup>2</sup>
Length of overland flow	48.437 m

## CATCHMENT CLIMATOLOGY

