

## Balambhadi Dam

Location	22.1656° N, 70.3858° E
State	Gujarat
Nearest City	Kalawad
Year of Completion	1966
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Balambhadi
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.0 m
Dam length	366.0 m
Reservoir Area	2943998.0 m <sup>2</sup>
Gross storage capacity	8370000.0 m <sup>3</sup>
Effective storage capacity	570000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	61.8 km <sup>2</sup>
Perimeter of catchment	34.7 km
Basin Length	10971.0 m
Form factor	0.51305
Circularity ratio	0.64464
Elongation ratio	0.80795
Highest Stream order	6
Max elevation	214.0 m
Min elevation	102.0 m
Mean bifurcation ratio	2.1127
Stream frequency	72.2850 per km <sup>2</sup>
Relief	112.00 m
Drainage density	9.4950 km/km <sup>2</sup>
Length of overland flow	52.657 m

## CATCHMENT CLIMATOLOGY

