

## Chhasara Dam

Location	22.9828° N, 69.8197° E
State	Gujarat
Nearest City	Mundra
Year of Completion	1954
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Chhasara
Dam Type	Earthfill Embankment
Height above lowest foundation level	20.0 m
Dam length	1402.0 m
Reservoir Area	329659.0 m <sup>2</sup>
Gross storage capacity	4560000.0 m <sup>3</sup>
Effective storage capacity	4227000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	60.2 km <sup>2</sup>
Perimeter of catchment	39.9 km
Basin Length	14226.0 m
Form factor	0.29734
Circularity ratio	0.47485
Elongation ratio	0.61508
Highest Stream order	6
Max elevation	203.0 m
Min elevation	41.0 m
Mean bifurcation ratio	2.5174
Stream frequency	78.0380 per km <sup>2</sup>
Relief	162.00 m
Drainage density	10.6040 km/km <sup>2</sup>
Length of overland flow	47.150 m

## CATCHMENT CLIMATOLOGY

