

## Ghelo(I) Dam

Location	21.9647° N, 71.3903° E
State	Gujarat
Nearest City	Babara
Year of Completion	1962
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Ghelo
Dam Type	Earthfill Embankment
Height above lowest foundation level	21.2 m
Dam length	504.0 m
Reservoir Area	3050000.0 m <sup>2</sup>
Gross storage capacity	13354000.0 m <sup>3</sup>
Effective storage capacity	12000000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	102.1 km <sup>2</sup>
Perimeter of catchment	54.1 km
Basin Length	15768.0 m
Form factor	0.41053
Circularity ratio	0.43874
Elongation ratio	0.72274
Highest Stream order	7
Max elevation	281.0 m
Min elevation	138.0 m
Mean bifurcation ratio	5.1627
Stream frequency	74.1210 per km <sup>2</sup>
Relief	143.00 m
Drainage density	10.0310 km/km <sup>2</sup>
Length of overland flow	49.845 m

## CATCHMENT CLIMATOLOGY

