

Ghee Dam

Location	22.1892° N, 69.6553° E
State	Gujarat
Nearest City	Khambhalia
Year of Completion	1953
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Ghee
Dam Type	Other
Height above lowest foundation level	17.0 m
Dam length	2035.0 m
Reservoir Area	3980000.0 m ²
Gross storage capacity	13840000.0 m ³
Effective storage capacity	12700000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	129.1 km ²
Perimeter of catchment	57.4 km
Basin Length	18172.0 m
Form factor	0.39080
Circularity ratio	0.49179
Elongation ratio	0.70516
Highest Stream order	7
Max elevation	130.0 m
Min elevation	37.0 m
Mean bifurcation ratio	3.9992
Stream frequency	71.4530 per km ²
Relief	93.00 m
Drainage density	9.4000 km/km ²
Length of overland flow	53.193 m

CATCHMENT CLIMATOLOGY

