

Gulabsagar Dam

Location	21.8753° N, 69.7269° E
State	Gujarat
Nearest City	Santrampur
Year of Completion	1970
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Kotar
Dam Type	Earthfill Embankment
Height above lowest foundation level	m
Dam length	m
Reservoir Area	54025.0 m ²
Gross storage capacity	1381000.0 m ³
Effective storage capacity	1061000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2.0 km ²
Perimeter of catchment	6.7 km
Basin Length	1758.9 m
Form factor	0.66194
Circularity ratio	0.57272
Elongation ratio	0.91774
Highest Stream order	4
Max elevation	484.0 m
Min elevation	182.0 m
Mean bifurcation ratio	2.9243
Stream frequency	102.0500 per km ²
Relief	302.00 m
Drainage density	14.0470 km/km ²
Length of overland flow	35.595 m

CATCHMENT CLIMATOLOGY

