

Bhaguda Dam

Location	21.2442° N, 71.8933° E
State	Gujarat
Nearest City	Mahuva
Year of Completion	1968
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	T-Bagad
Dam Type	Earthfill Embankment
Height above lowest foundation level	16.0 m
Dam length	430.0 m
Reservoir Area	744290.0 m ²
Gross storage capacity	3000000.0 m ³
Effective storage capacity	2700000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	30.2 km ²
Perimeter of catchment	30.1 km
Basin Length	12173.0 m
Form factor	0.20363
Circularity ratio	0.41786
Elongation ratio	0.50901
Highest Stream order	5
Max elevation	127.0 m
Min elevation	34.0 m
Mean bifurcation ratio	2.1720
Stream frequency	69.0960 per km ²
Relief	93.00 m
Drainage density	9.0330 km/km ²
Length of overland flow	55.353 m

CATCHMENT CLIMATOLOGY

