

Nagdhaniba Dam

Location	21.5906° N, 72.1622° E
State	Gujarat
Nearest City	Bhavnagar
Year of Completion	Not Available
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Stream
Dam Type	Earthfill Embankment
Height above lowest foundation level	16.4 m
Dam length	640.0 m
Reservoir Area	173000.0 m ²
Gross storage capacity	1622000.0 m ³
Effective storage capacity	1236000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	26.7 km ²
Perimeter of catchment	21.8 km
Basin Length	7729.1 m
Form factor	0.44675
Circularity ratio	0.70744
Elongation ratio	0.75395
Highest Stream order	5
Max elevation	255.0 m
Min elevation	59.0 m
Mean bifurcation ratio	2.8454
Stream frequency	71.9420 per km ²
Relief	196.00 m
Drainage density	9.3890 km/km ²
Length of overland flow	53.253 m

CATCHMENT CLIMATOLOGY

Data not available.