

Berachiya Dam

Location	23.2103° N, 69.0611° E
State	Gujarat
Nearest City	Abdasa
Year of Completion	1983
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Nyara
Dam Type	Earthfill Embankment
Height above lowest foundation level	22.5 m
Dam length	2010.0 m
Reservoir Area	1800000.0 m ²
Gross storage capacity	6860000.0 m ³
Effective storage capacity	5510000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	168.9 km ²
Perimeter of catchment	65.6 km
Basin Length	24932.0 m
Form factor	0.27177
Circularity ratio	0.49326
Elongation ratio	0.58805
Highest Stream order	6
Max elevation	273.0 m
Min elevation	54.0 m
Mean bifurcation ratio	2.0375
Stream frequency	75.3370 per km ²
Relief	219.00 m
Drainage density	10.0810 km/km ²
Length of overland flow	49.596 m

CATCHMENT CLIMATOLOGY

