

Nani Zari Dam

Location	22.7619° N, 73.9081° E
State	Gujarat
Nearest City	Baria
Year of Completion	1978
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Mahi
River	Kotar
Dam Type	Earthfill Embankment
Height above lowest foundation level	24.0 m
Dam length	716.0 m
Reservoir Area	24200.0 m ²
Gross storage capacity	1358000.0 m ³
Effective storage capacity	1060000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	5.0 km ²
Perimeter of catchment	11.0 km
Basin Length	4414.9 m
Form factor	0.25658
Circularity ratio	0.51862
Elongation ratio	0.57138
Highest Stream order	5
Max elevation	282.0 m
Min elevation	177.0 m
Mean bifurcation ratio	2.9553
Stream frequency	76.9840 per km ²
Relief	105.00 m
Drainage density	9.8490 km/km ²
Length of overland flow	50.766 m

CATCHMENT CLIMATOLOGY

