

Nara Dam

Location	23.6425° N, 69.1200° E
State	Gujarat
Nearest City	Lakhpat
Year of Completion	1981
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Nara
Dam Type	Earthfill Embankment
Height above lowest foundation level	21.9 m
Dam length	534.9 m
Reservoir Area	9670000.0 m ²
Gross storage capacity	41030000.0 m ³
Effective storage capacity	38820000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	223.1 km ²
Perimeter of catchment	72.1 km
Basin Length	24865.0 m
Form factor	0.36093
Circularity ratio	0.53979
Elongation ratio	0.67767
Highest Stream order	7
Max elevation	233.0 m
Min elevation	11.0 m
Mean bifurcation ratio	2.3090
Stream frequency	76.7670 per km ²
Relief	222.00 m
Drainage density	10.3580 km/km ²
Length of overland flow	48.272 m

CATCHMENT CLIMATOLOGY

