

Nakti Dam

Location	22.6783° N, 74.0239° E
State	Gujarat
Nearest City	Dhanpur
Year of Completion	1973
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Mahi
River	Kotar
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.0 m
Dam length	109.0 m
Reservoir Area	230000.0 m ²
Gross storage capacity	318000.0 m ³
Effective storage capacity	305000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	3.2 km ²
Perimeter of catchment	7.6 km
Basin Length	2566.3 m
Form factor	0.49240
Circularity ratio	0.69779
Elongation ratio	0.79153
Highest Stream order	4
Max elevation	342.0 m
Min elevation	226.0 m
Mean bifurcation ratio	2.7034
Stream frequency	77.0890 per km ²
Relief	116.00 m
Drainage density	9.8900 km/km ²
Length of overland flow	50.557 m

CATCHMENT CLIMATOLOGY

