

Nandhelao Dam

Location	22.7222° N, 74.2117° E
State	Gujarat
Nearest City	Dahod
Year of Completion	1945
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Mahi
River	Kotar
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.0 m
Dam length	540.0 m
Reservoir Area	41560.0 m ²
Gross storage capacity	1003000.0 m ³
Effective storage capacity	746000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	7.7 km ²
Perimeter of catchment	13.0 km
Basin Length	4942.6 m
Form factor	0.31471
Circularity ratio	0.57182
Elongation ratio	0.63280
Highest Stream order	5
Max elevation	455.0 m
Min elevation	349.0 m
Mean bifurcation ratio	3.2625
Stream frequency	71.6690 per km ²
Relief	106.00 m
Drainage density	8.9460 km/km ²
Length of overland flow	55.894 m

CATCHMENT CLIMATOLOGY

