

Nilwada Dam

Location	21.9344° N, 71.2953° E
State	Gujarat
Nearest City	Babara
Year of Completion	Not Available
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Navali
Dam Type	Earthfill Embankment
Height above lowest foundation level	11.7 m
Dam length	1360.0 m
Reservoir Area	385900.0 m ²
Gross storage capacity	1011510.0 m ³
Effective storage capacity	382000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	11.9 km ²
Perimeter of catchment	14.5 km
Basin Length	5099.9 m
Form factor	0.45674
Circularity ratio	0.71204
Elongation ratio	0.76233
Highest Stream order	5
Max elevation	213.0 m
Min elevation	171.0 m
Mean bifurcation ratio	2.4306
Stream frequency	71.5540 per km ²
Relief	42.00 m
Drainage density	9.1310 km/km ²
Length of overland flow	54.759 m

CATCHMENT CLIMATOLOGY

