

Navali Dam

Location	21.3267° N, 71.3003° E
State	Gujarat
Nearest City	S.Kundala
Year of Completion	Not Available
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Khodiyar Nahera
Dam Type	Earthfill Embankment
Height above lowest foundation level	m
Dam length	m
Reservoir Area	100000.0 m ²
Gross storage capacity	644340.0 m ³
Effective storage capacity	562440.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	34.6 km ²
Perimeter of catchment	25.5 km
Basin Length	7488.2 m
Form factor	0.61776
Circularity ratio	0.66904
Elongation ratio	0.88658
Highest Stream order	6
Max elevation	225.0 m
Min elevation	137.0 m
Mean bifurcation ratio	2.4296
Stream frequency	70.8150 per km ²
Relief	88.00 m
Drainage density	9.1380 km/km ²
Length of overland flow	54.715 m

CATCHMENT CLIMATOLOGY

