

Nal Dam

Location	21.3425° N, 71.5617° E
State	Gujarat
Nearest City	S.Kundala
Year of Completion	1995
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Maleshri
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	9.0 km ²
Perimeter of catchment	16.8 km
Basin Length	5005.0 m
Form factor	0.35942
Circularity ratio	0.40192
Elongation ratio	0.67625
Highest Stream order	5
Max elevation	242.0 m
Min elevation	132.0 m
Mean bifurcation ratio	3.6366
Stream frequency	73.0840 per km ²
Relief	110.00 m
Drainage density	9.3870 km/km ²
Length of overland flow	53.265 m

CATCHMENT CLIMATOLOGY

