

Karjan Dam

Location	21.8150° N, 73.5381° E
State	Gujarat
Nearest City	Rajpipla
Year of Completion	1987
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Narmada
River	Karjan
Dam Type	Other
Height above lowest foundation level	100.0 m
Dam length	903.0 m
Reservoir Area	36770000.0 m ²
Gross storage capacity	538745000.0 m ³
Effective storage capacity	514647000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	1382.7 km ²
Perimeter of catchment	203.3 km
Basin Length	52155.0 m
Form factor	0.50831
Circularity ratio	0.42069
Elongation ratio	0.80422
Highest Stream order	8
Max elevation	838.0 m
Min elevation	37.0 m
Mean bifurcation ratio	2.4756
Stream frequency	75.2870 per km ²
Relief	801.00 m
Drainage density	10.2840 km/km ²
Length of overland flow	48.617 m

CATCHMENT CLIMATOLOGY

