

Khorana Dam

Location	22.4194° N, 70.8617° E
State	Gujarat
Nearest City	Rajkot
Year of Completion	1977
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Demi
Dam Type	Earthfill Embankment
Height above lowest foundation level	12.5 m
Dam length	1342.0 m
Reservoir Area	702182.0 m ²
Gross storage capacity	1105000.0 m ³
Effective storage capacity	1020000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	22.7 km ²
Perimeter of catchment	22.7 km
Basin Length	7529.6 m
Form factor	0.39954
Circularity ratio	0.55387
Elongation ratio	0.71300
Highest Stream order	5
Max elevation	168.0 m
Min elevation	126.0 m
Mean bifurcation ratio	2.5301
Stream frequency	68.8250 per km ²
Relief	42.00 m
Drainage density	8.9740 km/km ²
Length of overland flow	55.720 m

CATCHMENT CLIMATOLOGY

