

Karnuki Dam

Location	21.9431° N, 71.1136° E
State	Gujarat
Nearest City	Jasdan
Year of Completion	2003
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Karnuki
Dam Type	Other
Height above lowest foundation level	16.1 m
Dam length	3830.0 m
Reservoir Area	4180000.0 m ²
Gross storage capacity	8540000.0 m ³
Effective storage capacity	8310000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	103.5 km ²
Perimeter of catchment	49.2 km
Basin Length	15598.0 m
Form factor	0.42554
Circularity ratio	0.53663
Elongation ratio	0.73584
Highest Stream order	6
Max elevation	224.0 m
Min elevation	148.0 m
Mean bifurcation ratio	2.1323
Stream frequency	73.0880 per km ²
Relief	76.00 m
Drainage density	9.7140 km/km ²
Length of overland flow	51.474 m

CATCHMENT CLIMATOLOGY

