

Sarki Dam

Location	23.6167° N, 73.4500° E
State	Gujarat
Nearest City	Meghraj
Year of Completion	1987
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Wangha
Dam Type	Earthfill Embankment
Height above lowest foundation level	16.0 m
Dam length	670.0 m
Reservoir Area	4875000.0 m ²
Gross storage capacity	1404000.0 m ³
Effective storage capacity	1090000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	48.9 km ²
Perimeter of catchment	37.9 km
Basin Length	15477.0 m
Form factor	0.20419
Circularity ratio	0.42749
Elongation ratio	0.50971
Highest Stream order	5
Max elevation	353.0 m
Min elevation	179.0 m
Mean bifurcation ratio	2.2270
Stream frequency	72.2770 per km ²
Relief	174.00 m
Drainage density	9.3120 km/km ²
Length of overland flow	53.696 m

CATCHMENT CLIMATOLOGY

