

Sanandharo Dam

Location	23.6267° N, 68.7878° E
State	Gujarat
Nearest City	Lakhpat
Year of Completion	1955
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Kali
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.6 m
Dam length	914.4 m
Reservoir Area	4950000.0 m ²
Gross storage capacity	10344000.0 m ³
Effective storage capacity	9850000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	151.5 km ²
Perimeter of catchment	62.6 km
Basin Length	15752.0 m
Form factor	0.61057
Circularity ratio	0.48657
Elongation ratio	0.88141
Highest Stream order	7
Max elevation	162.0 m
Min elevation	43.0 m
Mean bifurcation ratio	2.5472
Stream frequency	76.4240 per km ²
Relief	119.00 m
Drainage density	10.3130 km/km ²
Length of overland flow	48.480 m

CATCHMENT CLIMATOLOGY

