

Ishwariya Dam

Location	21.9836° N, 71.0183° E
State	Gujarat
Nearest City	Jasdan
Year of Completion	1983
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Saran
Dam Type	Other
Height above lowest foundation level	15.7 m
Dam length	2147.0 m
Reservoir Area	1700000.0 m ²
Gross storage capacity	5246000.0 m ³
Effective storage capacity	4850000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	54.8 km ²
Perimeter of catchment	35.9 km
Basin Length	14308.0 m
Form factor	0.26785
Circularity ratio	0.53443
Elongation ratio	0.58379
Highest Stream order	5
Max elevation	248.0 m
Min elevation	153.0 m
Mean bifurcation ratio	2.2717
Stream frequency	73.6760 per km ²
Relief	95.00 m
Drainage density	9.8590 km/km ²
Length of overland flow	50.716 m

CATCHMENT CLIMATOLOGY

