

Wasna Barrage Dam

Location	22.9922° N, 72.5544° E
State	Gujarat
Nearest City	Ahmedabad
Year of Completion	1976
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Sabarmati.
Dam Type	Other
Height above lowest foundation level	20.8 m
Dam length	611.0 m
Reservoir Area	2959000.0 m ²
Gross storage capacity	5340000.0 m ³
Effective storage capacity	5340000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	8635.0 km ²
Perimeter of catchment	755.2 km
Basin Length	251020.0 m
Form factor	0.13704
Circularity ratio	0.19032
Elongation ratio	0.41758
Highest Stream order	10
Max elevation	1149.0 m
Min elevation	21.0 m
Mean bifurcation ratio	2.0667
Stream frequency	76.7860 per km ²
Relief	1128.00 m
Drainage density	10.4450 km/km ²
Length of overland flow	47.870 m

CATCHMENT CLIMATOLOGY

