

Virpur Dam

Location	23.8858° N, 73.2892° E
State	Gujarat
Nearest City	Vijaynagar
Year of Completion	1980
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Virpurvanga
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.0 m
Dam length	778.0 m
Reservoir Area	883000.0 m ²
Gross storage capacity	1760000.0 m ³
Effective storage capacity	1760000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	9.3 km ²
Perimeter of catchment	13.9 km
Basin Length	4087.3 m
Form factor	0.55720
Circularity ratio	0.60417
Elongation ratio	0.84200
Highest Stream order	5
Max elevation	580.0 m
Min elevation	265.0 m
Mean bifurcation ratio	3.8290
Stream frequency	76.8120 per km ²
Relief	315.00 m
Drainage density	10.0890 km/km ²
Length of overland flow	49.560 m

CATCHMENT CLIMATOLOGY

