

Simleti Dam

Location	23.4936° N, 73.5514° E
State	Gujarat
Nearest City	Meghraj
Year of Completion	2009
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Vangha
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.0 m
Dam length	630.0 m
Reservoir Area	454905.0 m ²
Gross storage capacity	2712000.0 m ³
Effective storage capacity	1722000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	42.7 km ²
Perimeter of catchment	31.6 km
Basin Length	11189.0 m
Form factor	0.34121
Circularity ratio	0.53689
Elongation ratio	0.65890
Highest Stream order	6
Max elevation	243.0 m
Min elevation	159.0 m
Mean bifurcation ratio	2.3089
Stream frequency	73.4140 per km ²
Relief	84.00 m
Drainage density	9.6050 km/km ²
Length of overland flow	52.055 m

CATCHMENT CLIMATOLOGY

