

Sani Dam

Location	21.9772° N, 69.4914° E
State	Gujarat
Nearest City	Kalyanpur
Year of Completion	1992
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Sani
Dam Type	Other
Height above lowest foundation level	20.0 m
Dam length	3985.0 m
Reservoir Area	18200000.0 m ²
Gross storage capacity	38440000.0 m ³
Effective storage capacity	33630000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	544.2 km ²
Perimeter of catchment	109.1 km
Basin Length	27868.0 m
Form factor	0.70067
Circularity ratio	0.57506
Elongation ratio	0.94420
Highest Stream order	7
Max elevation	92.0 m
Min elevation	2.0 m
Mean bifurcation ratio	2.3536
Stream frequency	72.8190 per km ²
Relief	90.00 m
Drainage density	9.6800 km/km ²
Length of overland flow	51.654 m

CATCHMENT CLIMATOLOGY

