

Sorthi Dam

Location	21.9389° N, 69.5978° E
State	Gujarat
Nearest City	Porbandar
Year of Completion	1975
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Sorthi
Dam Type	Other
Height above lowest foundation level	29.5 m
Dam length	3197.0 m
Reservoir Area	3400000.0 m ²
Gross storage capacity	9920000.0 m ³
Effective storage capacity	8030000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	204.1 km ²
Perimeter of catchment	68.8 km
Basin Length	24295.0 m
Form factor	0.34578
Circularity ratio	0.54247
Elongation ratio	0.66330
Highest Stream order	7
Max elevation	115.0 m
Min elevation	19.0 m
Mean bifurcation ratio	2.2657
Stream frequency	71.1420 per km ²
Relief	96.00 m
Drainage density	9.3250 km/km ²
Length of overland flow	53.622 m

CATCHMENT CLIMATOLOGY

