

Savli Dam

Location	22.9547° N, 73.1156° E
State	Gujarat
Nearest City	Kapadvanj
Year of Completion	1910
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Stream
Dam Type	Earthfill Embankment
Height above lowest foundation level	11.0 m
Dam length	2301.0 m
Reservoir Area	1451736.0 m ²
Gross storage capacity	487500000.0 m ³
Effective storage capacity	4875000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	28.3 km ²
Perimeter of catchment	21.8 km
Basin Length	7693.1 m
Form factor	0.47809
Circularity ratio	0.75080
Elongation ratio	0.77995
Highest Stream order	5
Max elevation	105.0 m
Min elevation	65.0 m
Mean bifurcation ratio	2.3797
Stream frequency	74.3230 per km ²
Relief	40.00 m
Drainage density	10.0740 km/km ²
Length of overland flow	49.633 m

CATCHMENT CLIMATOLOGY

