

Solekh Dam

Location	19.1156° N, 73.3656° E
State	Maharashtra
Nearest City	Karjat
Year of Completion	1980
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	West Coast
River	Local Nala
Dam Type	Earthfill Embankment
Height above lowest foundation level	21.6 m
Dam length	325.0 m
Reservoir Area	340000.0 m ²
Gross storage capacity	2334000.0 m ³
Effective storage capacity	2050000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2.4 km ²
Perimeter of catchment	6.8 km
Basin Length	2128.9 m
Form factor	0.52538
Circularity ratio	0.64186
Elongation ratio	0.81761
Highest Stream order	4
Max elevation	125.0 m
Min elevation	47.0 m
Mean bifurcation ratio	2.8672
Stream frequency	78.5320 per km ²
Relief	78.00 m
Drainage density	10.0010 km/km ²
Length of overland flow	49.997 m

CATCHMENT CLIMATOLOGY

