

Sonwadi Dam

Location	24.4222° N, 72.5800° E
State	Gujarat
Nearest City	Palanpur
Year of Completion	1983
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	T Of Banas
Dam Type	Earthfill Embankment
Height above lowest foundation level	16.6 m
Dam length	325.0 m
Reservoir Area	39063000.0 m ²
Gross storage capacity	1529000.0 m ³
Effective storage capacity	1032000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	12.0 km ²
Perimeter of catchment	14.5 km
Basin Length	4439.1 m
Form factor	0.60926
Circularity ratio	0.71603
Elongation ratio	0.88047
Highest Stream order	5
Max elevation	566.0 m
Min elevation	207.0 m
Mean bifurcation ratio	2.5702
Stream frequency	92.2860 per km ²
Relief	359.00 m
Drainage density	13.6070 km/km ²
Length of overland flow	36.745 m

CATCHMENT CLIMATOLOGY

