

Swaroop Sagar Dam

Location	24.5917° N, 73.6853° E
State	Rajasthan
Nearest City	Girwa
Year of Completion	1560
Operated and Maintained by	Rajasthan Water Resources Department
River Basin	Ganga
River	Sisarma
Dam Type	Earthfill Embankment
Height above lowest foundation level	22.0 m
Dam length	660.0 m
Reservoir Area	4180000.0 m ²
Gross storage capacity	136800000.0 m ³
Effective storage capacity	9000000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	12.5 km ²
Perimeter of catchment	16.3 km
Basin Length	6689.7 m
Form factor	0.27967
Circularity ratio	0.58944
Elongation ratio	0.59653
Highest Stream order	5
Max elevation	881.0 m
Min elevation	577.0 m
Mean bifurcation ratio	2.6453
Stream frequency	87.0870 per km ²
Relief	304.00 m
Drainage density	12.4470 km/km ²
Length of overland flow	40.171 m

CATCHMENT CLIMATOLOGY

