

Shivnath Sagar Dam

Location	24.9761° N, 73.2072° E
State	Rajasthan
Nearest City	Bali
Year of Completion	1971
Operated and Maintained by	Rajasthan Water Resources Department
River Basin	Sabarmati
River	Local Nala
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.0 m
Dam length	113.0 m
Reservoir Area	125000.0 m ²
Gross storage capacity	1270000.0 m ³
Effective storage capacity	1270000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	4.1 km ²
Perimeter of catchment	8.2 km
Basin Length	2370.9 m
Form factor	0.73094
Circularity ratio	0.76926
Elongation ratio	0.96439
Highest Stream order	5
Max elevation	405.0 m
Min elevation	337.0 m
Mean bifurcation ratio	2.1932
Stream frequency	73.2550 per km ²
Relief	68.00 m
Drainage density	9.2530 km/km ²
Length of overland flow	54.036 m

CATCHMENT CLIMATOLOGY

