

## Shiv-Sagar Dam

Location	25.2519° N, 75.3281° E
State	Rajasthan
Nearest City	Mandalgarh
Year of Completion	1993
Operated and Maintained by	Rajasthan Water Resources Department
River Basin	Ganga
River	Mej River
Dam Type	Earthfill Embankment
Height above lowest foundation level	22.7 m
Dam length	299.0 m
Reservoir Area	313000.0 m <sup>2</sup>
Gross storage capacity	2095000.0 m <sup>3</sup>
Effective storage capacity	2038000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	10.3 km <sup>2</sup>
Perimeter of catchment	18.3 km
Basin Length	6876.0 m
Form factor	0.21864
Circularity ratio	0.38752
Elongation ratio	0.52744
Highest Stream order	5
Max elevation	550.0 m
Min elevation	398.0 m
Mean bifurcation ratio	2.6054
Stream frequency	85.0340 per km <sup>2</sup>
Relief	152.00 m
Drainage density	11.8880 km/km <sup>2</sup>
Length of overland flow	42.060 m

## CATCHMENT CLIMATOLOGY

