

Surajmal Jain Dam

Location	23.2878° N, 75.0350° E
State	Madhya Pradesh
Nearest City	Ratlam
Year of Completion	2002
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Mahi
River	Local
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.7 m
Dam length	1650.0 m
Reservoir Area	599000.0 m ²
Gross storage capacity	1420000.0 m ³
Effective storage capacity	1420000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	22.6 km ²
Perimeter of catchment	22.7 km
Basin Length	8544.7 m
Form factor	0.30994
Circularity ratio	0.55144
Elongation ratio	0.62798
Highest Stream order	5
Max elevation	509.0 m
Min elevation	448.0 m
Mean bifurcation ratio	2.1499
Stream frequency	71.3660 per km ²
Relief	61.00 m
Drainage density	8.9500 km/km ²
Length of overland flow	55.863 m

CATCHMENT CLIMATOLOGY

