

S. Ashok Sagar Dam

Location	23.5017° N, 77.5511° E
State	Madhya Pradesh
Nearest City	Vidisha
Year of Completion	1975
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Ganga
River	Halali
Dam Type	Earthfill Embankment
Height above lowest foundation level	29.6 m
Dam length	945.0 m
Reservoir Area	52590000.0 m ²
Gross storage capacity	25270000.0 m ³
Effective storage capacity	22700000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	738.8 km ²
Perimeter of catchment	145.6 km
Basin Length	40643.0 m
Form factor	0.44727
Circularity ratio	0.43810
Elongation ratio	0.75438
Highest Stream order	8
Max elevation	602.0 m
Min elevation	440.0 m
Mean bifurcation ratio	3.1018
Stream frequency	77.4890 per km ²
Relief	162.00 m
Drainage density	10.6740 km/km ²
Length of overland flow	46.841 m

CATCHMENT CLIMATOLOGY

