

Asrar Dam

Location	23.9917° N, 80.2542° E
State	Madhya Pradesh
Nearest City	Satna
Year of Completion	1976
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Ganga
River	Local
Dam Type	Earthfill Embankment
Height above lowest foundation level	10.5 m
Dam length	1170.0 m
Reservoir Area	192000.0 m ²
Gross storage capacity	696000.0 m ³
Effective storage capacity	649000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	36.1 km ²
Perimeter of catchment	28.7 km
Basin Length	9216.0 m
Form factor	0.42494
Circularity ratio	0.55199
Elongation ratio	0.73531
Highest Stream order	6
Max elevation	483.0 m
Min elevation	368.0 m
Mean bifurcation ratio	2.7990
Stream frequency	65.1940 per km ²
Relief	115.00 m
Drainage density	7.8880 km/km ²
Length of overland flow	63.388 m

CATCHMENT CLIMATOLOGY

