

Yashwant Nagar Dam

Location	22.4542° N, 75.6514° E
State	Madhya Pradesh
Nearest City	Mhow
Year of Completion	1933
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Narmada
River	Karam Nadi
Dam Type	Earthfill Embankment
Height above lowest foundation level	10.7 m
Dam length	820.0 m
Reservoir Area	337500.0 m ²
Gross storage capacity	900000.0 m ³
Effective storage capacity	872000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	19.7 km ²
Perimeter of catchment	21.1 km
Basin Length	6529.3 m
Form factor	0.46132
Circularity ratio	0.55781
Elongation ratio	0.76615
Highest Stream order	5
Max elevation	843.0 m
Min elevation	571.0 m
Mean bifurcation ratio	2.7222
Stream frequency	83.9990 per km ²
Relief	272.00 m
Drainage density	11.7390 km/km ²
Length of overland flow	42.593 m

CATCHMENT CLIMATOLOGY

