

Needar Dam

Location	26.3197° N, 77.1883° E
State	Rajasthan
Nearest City	Mandrayal
Year of Completion	1990
Operated and Maintained by	Rajasthan Water Resources Department
River Basin	Ganga
River	Odher
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.0 m
Dam length	2713.0 m
Reservoir Area	1290000.0 m ²
Gross storage capacity	9795000.0 m ³
Effective storage capacity	8848000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	50.3 km ²
Perimeter of catchment	36.2 km
Basin Length	12095.0 m
Form factor	0.34415
Circularity ratio	0.48168
Elongation ratio	0.66173
Highest Stream order	6
Max elevation	392.0 m
Min elevation	192.0 m
Mean bifurcation ratio	4.0694
Stream frequency	79.2280 per km ²
Relief	200.00 m
Drainage density	10.7180 km/km ²
Length of overland flow	46.652 m

CATCHMENT CLIMATOLOGY

