

Mandal Dam

Location	25.4514° N, 74.5672° E
State	Rajasthan
Nearest City	Mandal
Year of Completion	1973
Operated and Maintained by	Rajasthan Water Resources Department
River Basin	Ganga
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	26.0 m
Dam length	1825.0 m
Reservoir Area	3950000.0 m ²
Gross storage capacity	13800000.0 m ³
Effective storage capacity	11870000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	97.3 km ²
Perimeter of catchment	46.5 km
Basin Length	13921.0 m
Form factor	0.50220
Circularity ratio	0.56602
Elongation ratio	0.79937
Highest Stream order	7
Max elevation	482.0 m
Min elevation	431.0 m
Mean bifurcation ratio	2.4678
Stream frequency	66.6760 per km ²
Relief	51.00 m
Drainage density	8.1380 km/km ²
Length of overland flow	61.443 m

CATCHMENT CLIMATOLOGY

