

Uncha Dam

Location	24.5836° N, 74.6225° E
State	Rajasthan
Nearest City	Nimbahera
Year of Completion	1984
Operated and Maintained by	Rajasthan Water Resources Department
River Basin	Ganga
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.0 m
Dam length	1800.0 m
Reservoir Area	1175000.0 m ²
Gross storage capacity	2605000.0 m ³
Effective storage capacity	2515000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	17.1 km ²
Perimeter of catchment	18.8 km
Basin Length	5823.0 m
Form factor	0.50353
Circularity ratio	0.60979
Elongation ratio	0.80043
Highest Stream order	6
Max elevation	546.0 m
Min elevation	455.0 m
Mean bifurcation ratio	2.6726
Stream frequency	77.0210 per km ²
Relief	91.00 m
Drainage density	10.2700 km/km ²
Length of overland flow	48.687 m

CATCHMENT CLIMATOLOGY

