

Machhariya Dam

Location	23.4231° N, 78.2781° E
State	Madhya Pradesh
Nearest City	Rehli
Year of Completion	1982
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Ganga
River	Natyan Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.7 m
Dam length	384.0 m
Reservoir Area	939000.0 m ²
Gross storage capacity	3270000.0 m ³
Effective storage capacity	3250000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	3.3 km ²
Perimeter of catchment	7.4 km
Basin Length	2582.9 m
Form factor	0.49178
Circularity ratio	0.75713
Elongation ratio	0.79103
Highest Stream order	4
Max elevation	571.0 m
Min elevation	520.0 m
Mean bifurcation ratio	2.6851
Stream frequency	87.1740 per km ²
Relief	51.00 m
Drainage density	12.0680 km/km ²
Length of overland flow	41.431 m

CATCHMENT CLIMATOLOGY

