

Barbet No.1 Dam

Location	22.9906° N, 74.9156° E
State	Madhya Pradesh
Nearest City	Petlawad
Year of Completion	1983
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Mahi
River	Local
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.4 m
Dam length	740.0 m
Reservoir Area	642000.0 m ²
Gross storage capacity	2467000.0 m ³
Effective storage capacity	1913000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	11.1 km ²
Perimeter of catchment	15.7 km
Basin Length	6343.3 m
Form factor	0.27696
Circularity ratio	0.56961
Elongation ratio	0.59363
Highest Stream order	5
Max elevation	498.0 m
Min elevation	429.0 m
Mean bifurcation ratio	3.2280
Stream frequency	69.5450 per km ²
Relief	69.00 m
Drainage density	8.8890 km/km ²
Length of overland flow	56.249 m

CATCHMENT CLIMATOLOGY

