

Vangara Dam

Location	21.6314° N, 74.8122° E
State	Madhya Pradesh
Nearest City	Pansemal
Year of Completion	1988
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Tapi
River	Local
Dam Type	Earthfill Embankment
Height above lowest foundation level	20.8 m
Dam length	270.0 m
Reservoir Area	545300.0 m ²
Gross storage capacity	4532000.0 m ³
Effective storage capacity	3536000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	24.3 km ²
Perimeter of catchment	28.1 km
Basin Length	9794.0 m
Form factor	0.25296
Circularity ratio	0.38747
Elongation ratio	0.56733
Highest Stream order	5
Max elevation	565.0 m
Min elevation	325.0 m
Mean bifurcation ratio	2.4256
Stream frequency	76.6560 per km ²
Relief	240.00 m
Drainage density	10.4100 km/km ²
Length of overland flow	48.029 m

CATCHMENT CLIMATOLOGY

