

Sampna Dam

Location	21.8594° N, 77.9933° E
State	Madhya Pradesh
Nearest City	Betul
Year of Completion	1956
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Narmada
River	Sapana
Dam Type	Earthfill Embankment
Height above lowest foundation level	21.9 m
Dam length	1790.0 m
Reservoir Area	2538000.0 m ²
Gross storage capacity	16903000.0 m ³
Effective storage capacity	14305000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	29.9 km ²
Perimeter of catchment	27.5 km
Basin Length	8664.4 m
Form factor	0.39761
Circularity ratio	0.49622
Elongation ratio	0.71128
Highest Stream order	5
Max elevation	818.0 m
Min elevation	675.0 m
Mean bifurcation ratio	2.3239
Stream frequency	80.6710 per km ²
Relief	143.00 m
Drainage density	11.2910 km/km ²
Length of overland flow	44.284 m

CATCHMENT CLIMATOLOGY

