

Somla Dam

Location	23.7831° N, 78.6892° E
State	Madhya Pradesh
Nearest City	Karera
Year of Completion	1977
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Ganga
River	Local
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.6 m
Dam length	652.0 m
Reservoir Area	940000.0 m ²
Gross storage capacity	1630000.0 m ³
Effective storage capacity	1427000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	3.0 km ²
Perimeter of catchment	7.6 km
Basin Length	2284.2 m
Form factor	0.57541
Circularity ratio	0.65689
Elongation ratio	0.85566
Highest Stream order	3
Max elevation	598.0 m
Min elevation	531.0 m
Mean bifurcation ratio	2.6577
Stream frequency	85.6050 per km ²
Relief	67.00 m
Drainage density	11.8360 km/km ²
Length of overland flow	42.243 m

CATCHMENT CLIMATOLOGY

