

Somkagdar Dam

Location	24.0281° N, 73.6283° E
State	Rajasthan
Nearest City	Kherwara
Year of Completion	1983
Operated and Maintained by	Rajasthan Water Resources Department
River Basin	Mahi
River	Som
Dam Type	Other
Height above lowest foundation level	24.0 m
Dam length	480.0 m
Reservoir Area	3900000.0 m ²
Gross storage capacity	36200000.0 m ³
Effective storage capacity	34440000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	748.8 km ²
Perimeter of catchment	151.4 km
Basin Length	39706.0 m
Form factor	0.47494
Circularity ratio	0.41042
Elongation ratio	0.77737
Highest Stream order	8
Max elevation	934.0 m
Min elevation	283.0 m
Mean bifurcation ratio	5.5878
Stream frequency	74.9560 per km ²
Relief	651.00 m
Drainage density	9.9500 km/km ²
Length of overland flow	50.249 m

CATCHMENT CLIMATOLOGY

