

Soniyana Dam

Location	25.1406° N, 74.6686° E
State	Rajasthan
Nearest City	Gangrar
Year of Completion	Not Available
Operated and Maintained by	Rajasthan Water Resources Department
River Basin	Ganga
River	Local Nallah
Dam Type	Earthfill Embankment
Height above lowest foundation level	11.7 m
Dam length	3060.0 m
Reservoir Area	2920000.0 m ²
Gross storage capacity	6800000.0 m ³
Effective storage capacity	6226000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	134.1 km ²
Perimeter of catchment	67.5 km
Basin Length	22531.0 m
Form factor	0.26421
Circularity ratio	0.37035
Elongation ratio	0.57981
Highest Stream order	6
Max elevation	525.0 m
Min elevation	387.0 m
Mean bifurcation ratio	2.1882
Stream frequency	72.4590 per km ²
Relief	138.00 m
Drainage density	9.3830 km/km ²
Length of overland flow	53.288 m

CATCHMENT CLIMATOLOGY

