

Sudra Dam

Location	23.2508° N, 77.7286° E
State	Madhya Pradesh
Nearest City	Raisen
Year of Completion	1958
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Ganga
River	Kuhynala
Dam Type	Earthfill Embankment
Height above lowest foundation level	11.6 m
Dam length	445.0 m
Reservoir Area	657000.0 m ²
Gross storage capacity	1646000.0 m ³
Effective storage capacity	1520000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	4.3 km ²
Perimeter of catchment	9.9 km
Basin Length	3343.5 m
Form factor	0.38523
Circularity ratio	0.55196
Elongation ratio	0.70011
Highest Stream order	5
Max elevation	574.0 m
Min elevation	440.0 m
Mean bifurcation ratio	2.5655
Stream frequency	86.6130 per km ²
Relief	134.00 m
Drainage density	11.9510 km/km ²
Length of overland flow	41.839 m

CATCHMENT CLIMATOLOGY

