

Sarafgarh Dam

Location	22.1833° N, 83.7622° E
State	Odisha
Nearest City	Sundergarh
Year of Completion	1984
Operated and Maintained by	Odisha Water Resources Department
River Basin	Mahanadi
River	Ichha River
Dam Type	Earthfill Embankment
Height above lowest foundation level	25.5 m
Dam length	299.2 m
Reservoir Area	3075000.0 m ²
Gross storage capacity	13750000.0 m ³
Effective storage capacity	12150000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	73.8 km ²
Perimeter of catchment	45.1 km
Basin Length	10402.0 m
Form factor	0.68166
Circularity ratio	0.45662
Elongation ratio	0.93131
Highest Stream order	7
Max elevation	558.0 m
Min elevation	299.0 m
Mean bifurcation ratio	3.9657
Stream frequency	79.6500 per km ²
Relief	259.00 m
Drainage density	11.1370 km/km ²
Length of overland flow	44.894 m

CATCHMENT CLIMATOLOGY

