

R.S. Sagar Dam

Location	20.6161° N, 81.5697° E
State	Chhattisgarh
Nearest City	Dhamtari
Year of Completion	1979
Operated and Maintained by	Chhattisgarh Water Resources Department
River Basin	Mahanadi
River	Mahanadi River
Dam Type	Other
Height above lowest foundation level	31.6 m
Dam length	1830.0 m
Reservoir Area	95400000.0 m ²
Gross storage capacity	910500000.0 m ³
Effective storage capacity	766890000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	3265.8 km ²
Perimeter of catchment	345.4 km
Basin Length	74483.0 m
Form factor	0.58867
Circularity ratio	0.34417
Elongation ratio	0.86546
Highest Stream order	8
Max elevation	848.0 m
Min elevation	318.0 m
Mean bifurcation ratio	2.1938
Stream frequency	76.4020 per km ²
Relief	530.00 m
Drainage density	10.6580 km/km ²
Length of overland flow	46.912 m

CATCHMENT CLIMATOLOGY

