

Sundar Dam

Location	20.5955° N, 82.5932° E
State	Odisha
Nearest City	Nuaparha
Year of Completion	1977
Operated and Maintained by	Odisha Water Resources Department
River Basin	Mahanadi
River	Sundar
Dam Type	Earthfill Embankment
Height above lowest foundation level	19.8 m
Dam length	2700.0 m
Reservoir Area	10000000.0 m ²
Gross storage capacity	47000000.0 m ³
Effective storage capacity	44400000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	139.2 km ²
Perimeter of catchment	55.3 km
Basin Length	18022.0 m
Form factor	0.42845
Circularity ratio	0.57118
Elongation ratio	0.73835
Highest Stream order	7
Max elevation	556.0 m
Min elevation	294.0 m
Mean bifurcation ratio	2.1949
Stream frequency	68.1480 per km ²
Relief	262.00 m
Drainage density	8.9420 km/km ²
Length of overland flow	55.917 m

CATCHMENT CLIMATOLOGY

