

Upper Jonk Dam

Location	20.7306° N, 82.4369° E
State	Odisha
Nearest City	Nuaparha
Year of Completion	1997
Operated and Maintained by	Odisha Water Resources Department
River Basin	Mahanadi
River	Jonk
Dam Type	Earthfill Embankment
Height above lowest foundation level	28.1 m
Dam length	647.0 m
Reservoir Area	14700000.0 m ²
Gross storage capacity	73830000.0 m ³
Effective storage capacity	73830000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	337.0 km ²
Perimeter of catchment	102.7 km
Basin Length	30766.0 m
Form factor	0.35605
Circularity ratio	0.40171
Elongation ratio	0.67307
Highest Stream order	7
Max elevation	828.0 m
Min elevation	334.0 m
Mean bifurcation ratio	2.3916
Stream frequency	82.0990 per km ²
Relief	494.00 m
Drainage density	11.8560 km/km ²
Length of overland flow	42.173 m

CATCHMENT CLIMATOLOGY

