

Nesa Dam

Location	22.4019° N, 86.1439° E
State	Odisha
Nearest City	Bamanghati
Year of Completion	1980
Operated and Maintained by	Odisha Water Resources Department
River Basin	Subarnarekha
River	Nesa Nallah
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.0 m
Dam length	720.0 m
Reservoir Area	1691700.0 m ²
Gross storage capacity	7800000.0 m ³
Effective storage capacity	6580000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	24.6 km ²
Perimeter of catchment	26.1 km
Basin Length	8020.4 m
Form factor	0.38273
Circularity ratio	0.45403
Elongation ratio	0.69784
Highest Stream order	6
Max elevation	537.0 m
Min elevation	250.0 m
Mean bifurcation ratio	3.8162
Stream frequency	85.0140 per km ²
Relief	287.00 m
Drainage density	12.0490 km/km ²
Length of overland flow	41.496 m

CATCHMENT CLIMATOLOGY

