

Laigam Dam

Location	20.6967° N, 84.3542° E
State	Odisha
Nearest City	Bauda
Year of Completion	1971
Operated and Maintained by	Odisha Water Resources Department
River Basin	Mahanadi
River	Gouduni Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.4 m
Dam length	580.0 m
Reservoir Area	511000.0 m ²
Gross storage capacity	1800000.0 m ³
Effective storage capacity	1800000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	40.6 km ²
Perimeter of catchment	33.1 km
Basin Length	8640.7 m
Form factor	0.54443
Circularity ratio	0.46672
Elongation ratio	0.83230
Highest Stream order	6
Max elevation	624.0 m
Min elevation	118.0 m
Mean bifurcation ratio	2.3488
Stream frequency	83.8420 per km ²
Relief	506.00 m
Drainage density	12.0660 km/km ²
Length of overland flow	41.439 m

CATCHMENT CLIMATOLOGY

