

Butan-Duba Dam

Location	23.9503° N, 84.0864° E
State	Jharkhand
Nearest City	Daltonganj
Year of Completion	1985
Operated and Maintained by	Jharkhand Water Resources Department
River Basin	Ganga
River	Butan-Duba.
Dam Type	Earthfill Embankment
Height above lowest foundation level	22.6 m
Dam length	365.9 m
Reservoir Area	630000.0 m ²
Gross storage capacity	3480000.0 m ³
Effective storage capacity	3248700.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	13.6 km ²
Perimeter of catchment	20.7 km
Basin Length	8078.1 m
Form factor	0.20802
Circularity ratio	0.39953
Elongation ratio	0.51447
Highest Stream order	5
Max elevation	412.0 m
Min elevation	240.0 m
Mean bifurcation ratio	2.2456
Stream frequency	76.6880 per km ²
Relief	172.00 m
Drainage density	10.0560 km/km ²
Length of overland flow	49.721 m

CATCHMENT CLIMATOLOGY

