

Alikuan Dam

Location	19.7939° N, 84.4614° E
State	Odisha
Nearest City	Soroda
Year of Completion	1975
Operated and Maintained by	Odisha Water Resources Department
River Basin	North East Coast
River	Bada Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	23.5 m
Dam length	1600.0 m
Reservoir Area	418000.0 m ²
Gross storage capacity	4055000.0 m ³
Effective storage capacity	3970000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	29.8 km ²
Perimeter of catchment	27.2 km
Basin Length	9851.2 m
Form factor	0.30719
Circularity ratio	0.50610
Elongation ratio	0.62519
Highest Stream order	5
Max elevation	665.0 m
Min elevation	108.0 m
Mean bifurcation ratio	2.6269
Stream frequency	89.9660 per km ²
Relief	557.00 m
Drainage density	13.5980 km/km ²
Length of overland flow	36.771 m

CATCHMENT CLIMATOLOGY

