

Amanat Dam

Location	24.0075° N, 84.5544° E
State	Jharkhand
Nearest City	Daltonganj
Year of Completion	Not Available
Operated and Maintained by	Jharkhand Water Resources Department
River Basin	Ganga
River	Amanat.
Dam Type	Earthfill Embankment
Height above lowest foundation level	41.0 m
Dam length	869.0 m
Reservoir Area	2100000.0 m ²
Gross storage capacity	107190000.0 m ³
Effective storage capacity	81450000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	747.8 km ²
Perimeter of catchment	156.4 km
Basin Length	50712.0 m
Form factor	0.29076
Circularity ratio	0.38435
Elongation ratio	0.60824
Highest Stream order	7
Max elevation	779.0 m
Min elevation	284.0 m
Mean bifurcation ratio	2.1637
Stream frequency	74.5040 per km ²
Relief	495.00 m
Drainage density	9.9360 km/km ²
Length of overland flow	50.324 m

CATCHMENT CLIMATOLOGY

