

Moosakhand Dam

Location	24.9781° N, 83.3008° E
State	Uttar Pradesh
Nearest City	Chakia
Year of Completion	1967
Operated and Maintained by	Uttar Pradesh Irrigation and Water Resources Department
River Basin	Ganga
River	Karmnasa
Dam Type	Earthfill Embankment
Height above lowest foundation level	33.5 m
Dam length	2967.0 m
Reservoir Area	1154515000.0 m ²
Gross storage capacity	155771000.0 m ³
Effective storage capacity	110440000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	1376.4 km ²
Perimeter of catchment	217.9 km
Basin Length	63695.0 m
Form factor	0.33926
Circularity ratio	0.36429
Elongation ratio	0.65701
Highest Stream order	8
Max elevation	626.0 m
Min elevation	98.0 m
Mean bifurcation ratio	2.1549
Stream frequency	83.1030 per km ²
Relief	528.00 m
Drainage density	11.7610 km/km ²
Length of overland flow	42.514 m

CATCHMENT CLIMATOLOGY

