

Main Earth Dam Nongmahir (Stage-iii) Dam

Location	25.7762° N, 91.7992° E
State	Meghalaya
Nearest City	Shillong
Year of Completion	1979
Operated and Maintained by	Meghalaya Power Generation Corporation Limited
River Basin	Brahmaputra
River	Umtru
Dam Type	Earthfill Embankment
Height above lowest foundation level	50.0 m
Dam length	150.0 m
Reservoir Area	5800000.0 m ²
Gross storage capacity	5800000.0 m ³
Effective storage capacity	3640000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2.5 km ²
Perimeter of catchment	7.3 km
Basin Length	2468.9 m
Form factor	0.40392
Circularity ratio	0.57867
Elongation ratio	0.71689
Highest Stream order	4
Max elevation	740.0 m
Min elevation	668.0 m
Mean bifurcation ratio	10.8100
Stream frequency	73.5190 per km ²
Relief	72.00 m
Drainage density	8.4040 km/km ²
Length of overland flow	59.499 m

CATCHMENT CLIMATOLOGY

