

Mawphlang Dam, Greater Shillong Water Supply Scheme Dam

Location	25.4439° N, 91.7656° E
State	Meghalaya
Nearest City	Shillong
Year of Completion	2005
Operated and Maintained by	Public Health Engineering Department
River Basin	Brahmaputra
River	Umiew
Dam Type	Other
Height above lowest foundation level	50.0 m
Dam length	126.0 m
Reservoir Area	590000.0 m ²
Gross storage capacity	9149000.0 m ³
Effective storage capacity	7209000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	120.8 km ²
Perimeter of catchment	59.2 km
Basin Length	18484.0 m
Form factor	0.35362
Circularity ratio	0.43272
Elongation ratio	0.67077
Highest Stream order	7
Max elevation	1951.0 m
Min elevation	1562.0 m
Mean bifurcation ratio	2.4674
Stream frequency	77.9020 per km ²
Relief	389.00 m
Drainage density	10.3910 km/km ²
Length of overland flow	48.118 m

CATCHMENT CLIMATOLOGY

