

Umiam Concrete Dam (Stage-I), Umiam Dam

Location	25.6592° N, 91.9000° E
State	Meghalaya
Nearest City	Shillong
Year of Completion	1965
Operated and Maintained by	Meghalaya Power Generation Corporation Limited
River Basin	Brahmaputra
River	Umiam
Dam Type	Other
Height above lowest foundation level	73.0 m
Dam length	175.0 m
Reservoir Area	10200000.0 m ²
Gross storage capacity	181500000.0 m ³
Effective storage capacity	142350000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	243.2 km ²
Perimeter of catchment	91.4 km
Basin Length	29902.0 m
Form factor	0.27197
Circularity ratio	0.36564
Elongation ratio	0.58826
Highest Stream order	7
Max elevation	1942.0 m
Min elevation	927.0 m
Mean bifurcation ratio	2.5193
Stream frequency	85.2640 per km ²
Relief	1015.00 m
Drainage density	12.1760 km/km ²
Length of overland flow	41.064 m

CATCHMENT CLIMATOLOGY

