

Ranganadi Dam

Location	27.3428° N, 93.8172° E
State	Arunachal Pradesh
Nearest City	Itanagar
Year of Completion	2002
Operated and Maintained by	Arunachal Pradesh Water Resources Department
River Basin	Brahmaputra
River	Ranganadi Panior River
Dam Type	Other
Height above lowest foundation level	68.0 m
Dam length	344.8 m
Reservoir Area	1600000.0 m ²
Gross storage capacity	6170000.0 m ³
Effective storage capacity	4220000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	1925.3 km ²
Perimeter of catchment	220.1 km
Basin Length	67800.0 m
Form factor	0.41883
Circularity ratio	0.49959
Elongation ratio	0.73001
Highest Stream order	8
Max elevation	3720.0 m
Min elevation	530.0 m
Mean bifurcation ratio	2.3144
Stream frequency	94.5210 per km ²
Relief	3190.00 m
Drainage density	14.0410 km/km ²
Length of overland flow	35.609 m

CATCHMENT CLIMATOLOGY

