

Bahuda Reservoir Dam

Location	13.5628° N, 78.6281° E
State	Andhra Pradesh
Nearest City	Madanapalle
Year of Completion	1974
Operated and Maintained by	Andhra Pradesh Water Resources Department
River Basin	Pennar
River	Bahuda
Dam Type	Earthfill Embankment
Height above lowest foundation level	31.8 m
Dam length	792.5 m
Reservoir Area	1469693.0 m ²
Gross storage capacity	14060000.0 m ³
Effective storage capacity	11270000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	435.2 km ²
Perimeter of catchment	105.7 km
Basin Length	30061.0 m
Form factor	0.48155
Circularity ratio	0.48967
Elongation ratio	0.78276
Highest Stream order	8
Max elevation	1328.0 m
Min elevation	598.0 m
Mean bifurcation ratio	2.5647
Stream frequency	78.8460 per km ²
Relief	730.00 m
Drainage density	11.5380 km/km ²
Length of overland flow	43.334 m

CATCHMENT CLIMATOLOGY

