

Arniar Project Dam

Location	13.4228° N, 79.7422° E
State	Andhra Pradesh
Nearest City	Satyavedu
Year of Completion	1958
Operated and Maintained by	Andhra Pradesh Water Resources Department
River Basin	East Coast
River	Aranar
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.0 m
Dam length	3600.0 m
Reservoir Area	14045000.0 m ²
Gross storage capacity	52471116.0 m ³
Effective storage capacity	49100000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	94.6 km ²
Perimeter of catchment	41.6 km
Basin Length	11210.0 m
Form factor	0.75276
Circularity ratio	0.68650
Elongation ratio	0.97867
Highest Stream order	6
Max elevation	779.0 m
Min elevation	65.0 m
Mean bifurcation ratio	2.3884
Stream frequency	81.4970 per km ²
Relief	714.00 m
Drainage density	12.0490 km/km ²
Length of overland flow	41.498 m

CATCHMENT CLIMATOLOGY

