

Madduvalasa Reservoir Dam

Location	18.5881° N, 83.6186° E
State	Andhra Pradesh
Nearest City	Palakonda
Year of Completion	2002
Operated and Maintained by	Andhra Pradesh Water Resources Department
River Basin	North East Coast
River	Maddigedda
Dam Type	Earthfill Embankment
Height above lowest foundation level	16.0 m
Dam length	2320.0 m
Reservoir Area	2673000.0 m ²
Gross storage capacity	95510000.0 m ³
Effective storage capacity	93580000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2449.7 km ²
Perimeter of catchment	287.8 km
Basin Length	84207.0 m
Form factor	0.34547
Circularity ratio	0.37189
Elongation ratio	0.66300
Highest Stream order	9
Max elevation	1609.0 m
Min elevation	56.0 m
Mean bifurcation ratio	3.5003
Stream frequency	75.0860 per km ²
Relief	1553.00 m
Drainage density	10.5780 km/km ²
Length of overland flow	47.270 m

CATCHMENT CLIMATOLOGY

