

Malkennalla M.I.P Dam

Location	20.9242° N, 83.2058° E
State	Odisha
Nearest City	Padampur
Year of Completion	2006
Operated and Maintained by	Odisha Water Resources Department
River Basin	Mahanadi
River	Malken Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	m
Dam length	1530.0 m
Reservoir Area	690.0 m ²
Gross storage capacity	2237500.0 m ³
Effective storage capacity	1847200.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	28.6 km ²
Perimeter of catchment	30.2 km
Basin Length	9365.7 m
Form factor	0.32657
Circularity ratio	0.39536
Elongation ratio	0.64461
Highest Stream order	5
Max elevation	418.0 m
Min elevation	191.0 m
Mean bifurcation ratio	2.3568
Stream frequency	70.3420 per km ²
Relief	227.00 m
Drainage density	9.3130 km/km ²
Length of overland flow	53.690 m

CATCHMENT CLIMATOLOGY

