

Badrika Ashram T. Dam

Location	23.1775° N, 82.7506° E
State	Chhattisgarh
Nearest City	Surajpur
Year of Completion	1986
Operated and Maintained by	Chhattisgarh Water Resources Department
River Basin	Mahanadi
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	10.5 m
Dam length	690.0 m
Reservoir Area	467000.0 m ²
Gross storage capacity	500000.0 m ³
Effective storage capacity	460000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	3.1 km ²
Perimeter of catchment	7.5 km
Basin Length	1779.8 m
Form factor	0.98001
Circularity ratio	0.69089
Elongation ratio	1.11670
Highest Stream order	4
Max elevation	575.0 m
Min elevation	533.0 m
Mean bifurcation ratio	2.1617
Stream frequency	77.6320 per km ²
Relief	42.00 m
Drainage density	9.8270 km/km ²
Length of overland flow	50.879 m

CATCHMENT CLIMATOLOGY

