

Bhetabar Dam

Location	20.0083° N, 85.2633° E
State	Odisha
Nearest City	Nayagarh
Year of Completion	1980
Operated and Maintained by	Odisha Water Resources Department
River Basin	Mahanadi
River	Kankadajhar
Dam Type	Earthfill Embankment
Height above lowest foundation level	16.2 m
Dam length	1530.0 m
Reservoir Area	1400000.0 m ²
Gross storage capacity	3280000.0 m ³
Effective storage capacity	2890000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	48.2 km ²
Perimeter of catchment	34.2 km
Basin Length	9596.5 m
Form factor	0.52308
Circularity ratio	0.51695
Elongation ratio	0.81582
Highest Stream order	6
Max elevation	582.0 m
Min elevation	72.0 m
Mean bifurcation ratio	2.3505
Stream frequency	86.5860 per km ²
Relief	510.00 m
Drainage density	12.7640 km/km ²
Length of overland flow	39.174 m

CATCHMENT CLIMATOLOGY

