

Buksa Dam

Location	24.2628° N, 85.1553° E
State	Jharkhand
Nearest City	Chatra
Year of Completion	1982
Operated and Maintained by	Jharkhand Water Resources Department
River Basin	Ganga
River	Buksa.
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.8 m
Dam length	2667.7 m
Reservoir Area	3160000.0 m ²
Gross storage capacity	12340000.0 m ³
Effective storage capacity	11110000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	32.2 km ²
Perimeter of catchment	24.7 km
Basin Length	9326.6 m
Form factor	0.37062
Circularity ratio	0.66665
Elongation ratio	0.68671
Highest Stream order	5
Max elevation	642.0 m
Min elevation	403.0 m
Mean bifurcation ratio	2.2719
Stream frequency	78.9100 per km ²
Relief	239.00 m
Drainage density	10.6940 km/km ²
Length of overland flow	46.755 m

CATCHMENT CLIMATOLOGY

