

Paras Dam

Location	23.2581° N, 84.9128° E
State	Jharkhand
Nearest City	Ranchi
Year of Completion	1985
Operated and Maintained by	Jharkhand Water Resources Department
River Basin	Brahmani
River	Paras.
Dam Type	Earthfill Embankment
Height above lowest foundation level	24.4 m
Dam length	702.7 m
Reservoir Area	3760000.0 m ²
Gross storage capacity	18510000.0 m ³
Effective storage capacity	16920000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	42.7 km ²
Perimeter of catchment	31.3 km
Basin Length	8581.1 m
Form factor	0.58040
Circularity ratio	0.54926
Elongation ratio	0.85935
Highest Stream order	6
Max elevation	760.0 m
Min elevation	660.0 m
Mean bifurcation ratio	2.9468
Stream frequency	76.1390 per km ²
Relief	100.00 m
Drainage density	10.1480 km/km ²
Length of overland flow	49.269 m

CATCHMENT CLIMATOLOGY

