

Panchet Hill Dam

Location	23.6808° N, 86.7472° E
State	Jharkhand
Nearest City	Dhanbad
Year of Completion	1959
Operated and Maintained by	Damodar Valley Corporation
River Basin	Subarnarekha
River	Damodar.
Dam Type	Earthfill Embankment
Height above lowest foundation level	45.0 m
Dam length	6777.0 m
Reservoir Area	121386000.0 m ²
Gross storage capacity	275000000.0 m ³
Effective storage capacity	169000000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	11035.0 km ²
Perimeter of catchment	653.6 km
Basin Length	232280.0 m
Form factor	0.20453
Circularity ratio	0.32475
Elongation ratio	0.51014
Highest Stream order	9
Max elevation	1304.0 m
Min elevation	71.0 m
Mean bifurcation ratio	2.1419
Stream frequency	76.7840 per km ²
Relief	1233.00 m
Drainage density	10.4740 km/km ²
Length of overland flow	47.739 m

CATCHMENT CLIMATOLOGY

