

Janasai Dam

Location	22.7528° N, 85.6383° E
State	Jharkhand
Nearest City	Chakardharpur
Year of Completion	1981
Operated and Maintained by	Jharkhand Water Resources Department
River Basin	Subarnarekha
River	Sanjay Nala.
Dam Type	Earthfill Embankment
Height above lowest foundation level	19.2 m
Dam length	1128.0 m
Reservoir Area	1250000.0 m ²
Gross storage capacity	7030000.0 m ³
Effective storage capacity	6600000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	26.4 km ²
Perimeter of catchment	24.9 km
Basin Length	8992.0 m
Form factor	0.32678
Circularity ratio	0.53530
Elongation ratio	0.64482
Highest Stream order	6
Max elevation	726.0 m
Min elevation	235.0 m
Mean bifurcation ratio	3.5209
Stream frequency	81.5220 per km ²
Relief	491.00 m
Drainage density	11.2610 km/km ²
Length of overland flow	44.400 m

CATCHMENT CLIMATOLOGY

