

Chandan Dam

Location	24.6756° N, 86.9225° E
State	Bihar
Nearest City	Bounsi
Year of Completion	1968
Operated and Maintained by	Bihar Water Resources Department
River Basin	Ganga
River	Chandan.
Dam Type	Earthfill Embankment
Height above lowest foundation level	49.4 m
Dam length	1555.0 m
Reservoir Area	10810000.0 m ²
Gross storage capacity	157230000.0 m ³
Effective storage capacity	135740000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	565.9 km ²
Perimeter of catchment	129.2 km
Basin Length	42322.0 m
Form factor	0.31594
Circularity ratio	0.42626
Elongation ratio	0.63403
Highest Stream order	8
Max elevation	644.0 m
Min elevation	128.0 m
Mean bifurcation ratio	2.1675
Stream frequency	73.2600 per km ²
Relief	516.00 m
Drainage density	9.6710 km/km ²
Length of overland flow	51.701 m

CATCHMENT CLIMATOLOGY

