

Sajnam Dam

Location	24.5247° N, 78.5919° E
State	Uttar Pradesh
Nearest City	Mahrauni
Year of Completion	1990
Operated and Maintained by	Uttar Pradesh Irrigation and Water Resources Department
River Basin	Ganga
River	Sajnam
Dam Type	Earthfill Embankment
Height above lowest foundation level	22.3 m
Dam length	4524.0 m
Reservoir Area	237500000.0 m ²
Gross storage capacity	83500000.0 m ³
Effective storage capacity	74250000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	293.5 km ²
Perimeter of catchment	84.4 km
Basin Length	26547.0 m
Form factor	0.41640
Circularity ratio	0.51795
Elongation ratio	0.72788
Highest Stream order	8
Max elevation	555.0 m
Min elevation	351.0 m
Mean bifurcation ratio	3.2455
Stream frequency	74.5060 per km ²
Relief	204.00 m
Drainage density	9.8810 km/km ²
Length of overland flow	50.605 m

CATCHMENT CLIMATOLOGY

