

## Allain Barrage Dam

Location	32.2258° N, 77.2069° E
State	Himachal Pradesh
Nearest City	Manali
Year of Completion	2010
Operated and Maintained by	Himachal Pradesh State Electricity Board
River Basin	Indus
River	Allain Duhangan Nalla
Dam Type	Barrage
Height above lowest foundation level	29.0 m
Dam length	37.5 m
Reservoir Area	16150.0 m <sup>2</sup>
Gross storage capacity	294000.0 m <sup>3</sup>
Effective storage capacity	225000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	138.8 km <sup>2</sup>
Perimeter of catchment	58.5 km
Basin Length	20579.0 m
Form factor	0.32775
Circularity ratio	0.51020
Elongation ratio	0.64577
Highest Stream order	7
Max elevation	5754.0 m
Min elevation	1913.0 m
Mean bifurcation ratio	2.6131
Stream frequency	110.7700 per km <sup>2</sup>
Relief	3841.00 m
Drainage density	16.8350 km/km <sup>2</sup>
Length of overland flow	29.700 m

## CATCHMENT CLIMATOLOGY

