

Patan (Deosagar) Dam

Location	25.9158° N, 74.3625° E
State	Rajasthan
Nearest City	Asind
Year of Completion	1956
Operated and Maintained by	Rajasthan Water Resources Department
River Basin	Ganga
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.4 m
Dam length	503.5 m
Reservoir Area	21800000.0 m ²
Gross storage capacity	6940000.0 m ³
Effective storage capacity	6850000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	107.4 km ²
Perimeter of catchment	56.4 km
Basin Length	18871.0 m
Form factor	0.30164
Circularity ratio	0.42415
Elongation ratio	0.61952
Highest Stream order	6
Max elevation	736.0 m
Min elevation	457.0 m
Mean bifurcation ratio	2.7906
Stream frequency	73.1960 per km ²
Relief	279.00 m
Drainage density	9.3470 km/km ²
Length of overland flow	53.492 m

CATCHMENT CLIMATOLOGY

