

Goyaka Prasad Dam

Location	23.1789° N, 74.2733° E
State	Rajasthan
Nearest City	Kushalgarh
Year of Completion	1982
Operated and Maintained by	Rajasthan Water Resources Department
River Basin	Mahi
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.9 m
Dam length	463.0 m
Reservoir Area	510000.0 m ²
Gross storage capacity	2217000.0 m ³
Effective storage capacity	1897000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	17.4 km ²
Perimeter of catchment	20.2 km
Basin Length	7289.1 m
Form factor	0.32694
Circularity ratio	0.53542
Elongation ratio	0.64498
Highest Stream order	5
Max elevation	331.0 m
Min elevation	220.0 m
Mean bifurcation ratio	2.3582
Stream frequency	74.8380 per km ²
Relief	111.00 m
Drainage density	10.0360 km/km ²
Length of overland flow	49.821 m

CATCHMENT CLIMATOLOGY

