

Wagha Paddhar Dam

Location	23.4578° N, 68.7783° E
State	Gujarat
Nearest City	Kachchh
Year of Completion	1964
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Stream
Dam Type	Earthfill Embankment
Height above lowest foundation level	12.8 m
Dam length	609.0 m
Reservoir Area	116000.0 m ²
Gross storage capacity	630000.0 m ³
Effective storage capacity	510000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	13.3 km ²
Perimeter of catchment	16.3 km
Basin Length	4913.6 m
Form factor	0.55096
Circularity ratio	0.63166
Elongation ratio	0.83728
Highest Stream order	5
Max elevation	112.0 m
Min elevation	34.0 m
Mean bifurcation ratio	2.3012
Stream frequency	75.5530 per km ²
Relief	78.00 m
Drainage density	10.1210 km/km ²
Length of overland flow	49.401 m

CATCHMENT CLIMATOLOGY

