

Phacharia Dam

Location	24.8808° N, 72.6467° E
State	Rajasthan
Nearest City	Sirohi
Year of Completion	1988
Operated and Maintained by	Rajasthan Water Resources Department
River Basin	Sabarmati
River	Local
Dam Type	Earthfill Embankment
Height above lowest foundation level	12.7 m
Dam length	384.0 m
Reservoir Area	940000.0 m ²
Gross storage capacity	1760000.0 m ³
Effective storage capacity	1420000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	17.5 km ²
Perimeter of catchment	19.5 km
Basin Length	7734.2 m
Form factor	0.29201
Circularity ratio	0.57794
Elongation ratio	0.60955
Highest Stream order	6
Max elevation	346.0 m
Min elevation	279.0 m
Mean bifurcation ratio	2.0108
Stream frequency	71.4470 per km ²
Relief	67.00 m
Drainage density	9.0830 km/km ²
Length of overland flow	55.046 m

CATCHMENT CLIMATOLOGY

