

Rupen Dam

Location	20.9664° N, 71.1997° E
State	Gujarat
Nearest City	Una.
Year of Completion	1976
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Rupen
Dam Type	Other
Height above lowest foundation level	27.0 m
Dam length	579.0 m
Reservoir Area	956900.0 m ²
Gross storage capacity	3839400.0 m ³
Effective storage capacity	3412700.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	43.4 km ²
Perimeter of catchment	30.8 km
Basin Length	10798.0 m
Form factor	0.37217
Circularity ratio	0.57442
Elongation ratio	0.68815
Highest Stream order	6
Max elevation	192.0 m
Min elevation	59.0 m
Mean bifurcation ratio	7.2082
Stream frequency	71.5940 per km ²
Relief	133.00 m
Drainage density	9.3930 km/km ²
Length of overland flow	53.234 m

CATCHMENT CLIMATOLOGY

