

Mauvana Dam

Location	23.8319° N, 70.8619° E
State	Gujarat
Nearest City	Rapar
Year of Completion	1953
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local River
Dam Type	Earthfill Embankment
Height above lowest foundation level	16.5 m
Dam length	509.0 m
Reservoir Area	70070.0 m ²
Gross storage capacity	456000.0 m ³
Effective storage capacity	413000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	4.2 km ²
Perimeter of catchment	11.5 km
Basin Length	4876.4 m
Form factor	0.17683
Circularity ratio	0.39944
Elongation ratio	0.47434
Highest Stream order	4
Max elevation	200.0 m
Min elevation	25.0 m
Mean bifurcation ratio	4.3083
Stream frequency	87.5170 per km ²
Relief	175.00 m
Drainage density	11.6990 km/km ²
Length of overland flow	42.739 m

CATCHMENT CLIMATOLOGY

