

Suvi Dam

Location	23.6083° N, 70.4961° E
State	Gujarat
Nearest City	Rapar
Year of Completion	1966
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Suvi
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.0 m
Dam length	2097.0 m
Reservoir Area	4400000.0 m ²
Gross storage capacity	14280000.0 m ³
Effective storage capacity	11900000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	26.2 km ²
Perimeter of catchment	27.0 km
Basin Length	9830.0 m
Form factor	0.27062
Circularity ratio	0.45066
Elongation ratio	0.58680
Highest Stream order	5
Max elevation	102.0 m
Min elevation	6.0 m
Mean bifurcation ratio	2.2445
Stream frequency	79.1210 per km ²
Relief	96.00 m
Drainage density	10.6870 km/km ²
Length of overland flow	46.784 m

CATCHMENT CLIMATOLOGY

