

Ruparel Dam

Location	22.3811° N, 70.2567° E
State	Gujarat
Nearest City	Jamnagar
Year of Completion	2005
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Ruparel
Dam Type	Other
Height above lowest foundation level	19.0 m
Dam length	2808.0 m
Reservoir Area	2740000.0 m ²
Gross storage capacity	4270000.0 m ³
Effective storage capacity	4270000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	49.4 km ²
Perimeter of catchment	34.9 km
Basin Length	12813.0 m
Form factor	0.30065
Circularity ratio	0.50911
Elongation ratio	0.61850
Highest Stream order	6
Max elevation	144.0 m
Min elevation	44.0 m
Mean bifurcation ratio	2.2328
Stream frequency	76.4230 per km ²
Relief	100.00 m
Drainage density	10.2740 km/km ²
Length of overland flow	48.667 m

CATCHMENT CLIMATOLOGY

