

Chhaparwadi- Lunivav Dam

Location	22.0375° N, 70.7014° E
State	Gujarat
Nearest City	Gondal
Year of Completion	1974
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Chhaparwadi
Dam Type	Other
Height above lowest foundation level	16.6 m
Dam length	1984.0 m
Reservoir Area	2170000.0 m ²
Gross storage capacity	5000000.0 m ³
Effective storage capacity	4160000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	100.1 km ²
Perimeter of catchment	46.6 km
Basin Length	16095.0 m
Form factor	0.38637
Circularity ratio	0.57883
Elongation ratio	0.70115
Highest Stream order	7
Max elevation	200.0 m
Min elevation	124.0 m
Mean bifurcation ratio	2.6823
Stream frequency	70.2920 per km ²
Relief	76.00 m
Drainage density	9.1380 km/km ²
Length of overland flow	54.717 m

CATCHMENT CLIMATOLOGY

