

Limballi Dam

Location	21.9819° N, 71.4683° E
State	Gujarat
Nearest City	Gadhada
Year of Completion	1996
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Ghelo
Dam Type	Earthfill Embankment
Height above lowest foundation level	22.6 m
Dam length	3015.0 m
Reservoir Area	2800000.0 m ²
Gross storage capacity	8500000.0 m ³
Effective storage capacity	7800000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	273.8 km ²
Perimeter of catchment	82.7 km
Basin Length	24527.0 m
Form factor	0.45516
Circularity ratio	0.50372
Elongation ratio	0.76101
Highest Stream order	8
Max elevation	291.0 m
Min elevation	115.0 m
Mean bifurcation ratio	6.0374
Stream frequency	73.5370 per km ²
Relief	176.00 m
Drainage density	9.8670 km/km ²
Length of overland flow	50.676 m

CATCHMENT CLIMATOLOGY

