

Lafni Dam

Location	22.3219° N, 73.6850° E
State	Gujarat
Nearest City	Jambu Ghoba
Year of Completion	1976
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Narmada
River	Kotar
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.8 m
Dam length	236.0 m
Reservoir Area	175000.0 m ²
Gross storage capacity	1107000.0 m ³
Effective storage capacity	693000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2.4 km ²
Perimeter of catchment	7.4 km
Basin Length	2265.2 m
Form factor	0.47284
Circularity ratio	0.55880
Elongation ratio	0.77565
Highest Stream order	4
Max elevation	163.0 m
Min elevation	96.0 m
Mean bifurcation ratio	2.9401
Stream frequency	82.8480 per km ²
Relief	67.00 m
Drainage density	11.2740 km/km ²
Length of overland flow	44.350 m

CATCHMENT CLIMATOLOGY

