

Kharua Dam

Location	23.1372° N, 69.1239° E
State	Gujarat
Nearest City	Abdasa
Year of Completion	1956
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local River
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.8 m
Dam length	107.0 m
Reservoir Area	66911.0 m ²
Gross storage capacity	416000.0 m ³
Effective storage capacity	416000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	4.2 km ²
Perimeter of catchment	8.6 km
Basin Length	2009.5 m
Form factor	1.04570
Circularity ratio	0.71102
Elongation ratio	1.15350
Highest Stream order	5
Max elevation	168.0 m
Min elevation	90.0 m
Mean bifurcation ratio	2.6019
Stream frequency	83.3630 per km ²
Relief	78.00 m
Drainage density	11.3050 km/km ²
Length of overland flow	44.229 m

CATCHMENT CLIMATOLOGY

