

## Kojan Dam

<b>Location</b>	23.5125° N, 73.1294° E
<b>State</b>	Gujarat
<b>Nearest City</b>	Himmatnagar
<b>Year of Completion</b>	1988
<b>Operated and Maintained by</b>	Gujarat Engineering Research Institute
<b>River Basin</b>	Sabarmati
<b>River</b>	Kojan
<b>Dam Type</b>	Earthfill Embankment
<b>Height above lowest foundation level</b>	21.0 m
<b>Dam length</b>	3700.0 m
<b>Reservoir Area</b>	446714.0 m <sup>2</sup>
<b>Gross storage capacity</b>	3315000.0 m <sup>3</sup>
<b>Effective storage capacity</b>	3115000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

<b>Catchment Properties</b>	<b>Values</b>
<b>Area of catchment</b>	48.5 km <sup>2</sup>
<b>Perimeter of catchment</b>	35.1 km
<b>Basin Length</b>	12708.0 m
<b>Form factor</b>	0.30051
<b>Circularity ratio</b>	0.49508
<b>Elongation ratio</b>	0.61835
<b>Highest Stream order</b>	6
<b>Max elevation</b>	267.0 m
<b>Min elevation</b>	126.0 m
<b>Mean bifurcation ratio</b>	2.2732
<b>Stream frequency</b>	72.3460 per km <sup>2</sup>
<b>Relief</b>	141.00 m
<b>Drainage density</b>	9.5260 km/km <sup>2</sup>
<b>Length of overland flow</b>	52.487 m

## CATCHMENT CLIMATOLOGY

