

## Soudagar Dam

Location	16.8844° N, 77.1436° E
State	Karnataka
Nearest City	Yadgir
Year of Completion	1987
Operated and Maintained by	Karnataka Water Resources Department
River Basin	Krishna
River	Soudagar Nala
Dam Type	Earthfill Embankment
Height above lowest foundation level	27.0 m
Dam length	600.0 m
Reservoir Area	965000.0 m <sup>2</sup>
Gross storage capacity	8120000.0 m <sup>3</sup>
Effective storage capacity	7410000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	57.3 km <sup>2</sup>
Perimeter of catchment	39.8 km
Basin Length	9534.7 m
Form factor	0.63008
Circularity ratio	0.45520
Elongation ratio	0.89538
Highest Stream order	6
Max elevation	586.0 m
Min elevation	406.0 m
Mean bifurcation ratio	2.3224
Stream frequency	78.0900 per km <sup>2</sup>
Relief	180.00 m
Drainage density	11.0590 km/km <sup>2</sup>
Length of overland flow	45.213 m

## CATCHMENT CLIMATOLOGY

