

## Chennaraya Swami Gudi Project Dam

<b>Location</b>	13.8617° N, 78.1783° E
<b>State</b>	Andhra Pradesh
<b>Nearest City</b>	Kadiri
<b>Year of Completion</b>	1969
<b>Operated and Maintained by</b>	Andhra Pradesh Water Resources Department
<b>River Basin</b>	Pennar
<b>River</b>	Papagni
<b>Dam Type</b>	Earthfill Embankment
<b>Height above lowest foundation level</b>	15.0 m
<b>Dam length</b>	465.0 m
<b>Reservoir Area</b>	1057000.0 m <sup>2</sup>
<b>Gross storage capacity</b>	4818000.0 m <sup>3</sup>
<b>Effective storage capacity</b>	4477000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
<b>Area of catchment</b>	1553.0 km <sup>2</sup>
<b>Perimeter of catchment</b>	229.9 km
<b>Basin Length</b>	60409.0 m
<b>Form factor</b>	0.42558
<b>Circularity ratio</b>	0.36946
<b>Elongation ratio</b>	0.73587
<b>Highest Stream order</b>	8
<b>Max elevation</b>	1184.0 m
<b>Min elevation</b>	569.0 m
<b>Mean bifurcation ratio</b>	2.2096
<b>Stream frequency</b>	74.7240 per km <sup>2</sup>
<b>Relief</b>	615.00 m
<b>Drainage density</b>	10.6230 km/km <sup>2</sup>
<b>Length of overland flow</b>	47.069 m

## CATCHMENT CLIMATOLOGY

