

## Ps Velegonda Project Kakarla Dam

Location	15.6583° N, 79.1794° E
State	Andhra Pradesh
Nearest City	Marakapur
Year of Completion	2014
Operated and Maintained by	Andhra Pradesh Water Resources Department
River Basin	Pennar
River	Krishna
Dam Type	Earthfill Embankment
Height above lowest foundation level	60.0 m
Dam length	470.0 m
Reservoir Area	69525000000.0 m <sup>2</sup>
Gross storage capacity	1525000.0 m <sup>3</sup>
Effective storage capacity	1231000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	20.0 km <sup>2</sup>
Perimeter of catchment	26.5 km
Basin Length	10186.0 m
Form factor	0.19311
Circularity ratio	0.35907
Elongation ratio	0.49569
Highest Stream order	5
Max elevation	280.0 m
Min elevation	162.0 m
Mean bifurcation ratio	2.3685
Stream frequency	67.0820 per km <sup>2</sup>
Relief	118.00 m
Drainage density	8.7090 km/km <sup>2</sup>
Length of overland flow	57.412 m

## CATCHMENT CLIMATOLOGY

