

## Padawalkarwadi Dam

|                                      |  |
|--------------------------------------|--|
| Location                             | 17.1917° N, 75.3786° E                 |
| State                                | Maharashtra                            |
| Nearest City                         | Mangalwedha                            |
| Year of Completion                   | 1973                                   |
| Operated and Maintained by           | Maharashtra Water Resources Department |
| River Basin                          | Krishna                                |
| River                                | Koni Kunur                             |
| Dam Type                             | Earthfill Embankment                   |
| Height above lowest foundation level | 15.2 m                                 |
| Dam length                           | 823.0 m                                |
| Reservoir Area                       | 1194300.0 m <sup>2</sup>               |
| Gross storage capacity               | 2990000.0 m <sup>3</sup>               |
| Effective storage capacity           | 2120000.0 m <sup>3</sup>               |

## CATCHMENT CHARACTERISTICS

| Catchment Properties    | Values                      |
|-------------------------|-----------------------------|
| Area of catchment       | 55.3 km <sup>2</sup>        |
| Perimeter of catchment  | 34.2 km                     |
| Basin Length            | 12685.0 m                   |
| Form factor             | 0.34381                     |
| Circularity ratio       | 0.59572                     |
| Elongation ratio        | 0.66141                     |
| Highest Stream order    | 6                           |
| Max elevation           | 685.0 m                     |
| Min elevation           | 546.0 m                     |
| Mean bifurcation ratio  | 2.3341                      |
| Stream frequency        | 70.7160 per km <sup>2</sup> |
| Relief                  | 139.00 m                    |
| Drainage density        | 9.5710 km/km <sup>2</sup>   |
| Length of overland flow | 52.241 m                    |

## CATCHMENT CLIMATOLOGY

