

Small Hydro Power

In 2015, Maharashtra had a 293 MW of small hydro plants installed in the state. As per Ministry of New and Renewable Energy (MNRE), the potential for power generation from small, mini and micro hydro power projects in Maharashtra is 0.8 GW. This lever provides choices of small hydro power development in the state under different scenarios. The heroic effort scenario assumes that Maharashtra realizes its full small hydro power potential by 2050.

Level 2

Level 2 assumes that in addition to not only replacing retired capacities, new plants will also be commissioned, however at a slower rate. Environmental and social concerns over the development of SHP can limit capacity addition. The total installed capacity would grow at a higher rate reaching up to 511 MW by 2050.

Level 1

Level 1 is a low-growth scenario, which assumes that current capacity grows at a sub-par rate till 2050 to reach a total capacity of just 424 MW by 2050.

Level 3

Level 3 takes an optimistic view wherein Maharashtra may actively promote development of SHP. Installed capacity increases reaching a total of 621 MW by 2050.

Level 4

Level 4 is the most aggressive scenario that assumes that there may not be any constraints for development of small hydro plants. Full potential of small hydro power will be exploited by 2050 resulting in total capacity of 794 MW in 2050.

