Biomass Residue Production

Bioenergy production in the state of Andhra Pradesh is estimated to be around 3.7 TWh/year most of which comes from small plants which produce biogas, and a small quantum from solid biomass based plants. In 2015, bioenergy production was 7% of total energy consumption. Main source of bioenergy in the state are agricultural and forest residue which contributes to around 99% of total bioenergy production (agriculture and forest residue production was around 47 and 5 million tons per annum in 2015). Further, productivity of agricultural residue is projected to increase from 0 to 0.75% (annual) across the four levels. For forest residue, around 180-200 million tons/year is rated to be the sustainable limit for recovery from forests, which is extended for all the four levels.

Level 1

Level 1 assumes that agricultural residue production increases with annual growth rate of 1%. Forestry residue remains at the same level as 2015.

Level 2

In level 2, agricultural residue production increases with annual growth rate of 1.5%. Further, forestry residue is projected to increase at 0.4% per annum.

Level 3

Level 3 assumes that agricultural residue production increases with annual growth rate of 1.8%. Forestry residue is projected to increase at 0.6% per annum.

Level 4

Level 4 is a more aggressive scenario which assumes that agricultural residue production increases with annual growth rate of 2%. Forestry residue is projected to increase at 0.75% per annum.