Onshore Wind Power

As of January 2017, state has no wind based capacity. As per NIWE estimates, the state has a potential of 110 MW at 80 mt. hub height. Due to low level of wind potential, Assam's installed capacity in RE is also quite less. MNRE has not proposed any target for wind to Assam in achieving 60 GW nation wide wind based capacity by 2022. In addition, the terrain makes it difficult to set up wind based capacity in Assam. This lever provides choices for selecting four different levels of wind power development in the state.

constraints could be remove due to additional investments for evacuation systems and development of Green Transmission Corridor. However, capacity additions will be slightly slower. The capacity addition increases strongly and state reaches its full potential of 110 MW by 2050.

Level 2

Level 2 assumes that transmission Level 3

Level

that

assumes

its full potential of 110 MW by 2045.

investments could be made to overcome

transmission constraints, prices of wind

energy reduces and alternate fuel increases. The state will progress and capacity

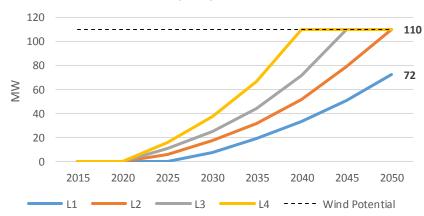
addition growth will be significantly higher

than the historical trend and state will reach

significant

Level 4 assumes that there might not be any technical or economical constraints wind development. power Transmission constraints could also be resolved and development of ancillary services market could help in removing large scale grid integration issues. Wind based capacity will reach its potential much before, culminating in a cumulative capacity of 110 MW by 2040.

Installed Capacity - Onshore wind



Level 1

Level 1 assumes that capacity addition will be significantly slower and will start after 2022. Large scale grid integration of wind energy could remain a big challenge. The wind based capacity will reach 72 MW in 2050.