

**ENERGY POLICY IMPLICATIONS FOR THE INDIAN NDC  
IMPLEMENTATION: ASSESSING HARYANA'S CASE**

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## ABSTRACT

In line with the NDC's, the push for renewables has been significant to tackle anthropogenic aspect of climate change. International consensus on climate change has been vast and cloudy with nations setting target to do their bit of contributing towards the debated problem while facing a trade off with economic growth. Usually, policymaking takes place at global or national level; however, the reality of its implementations begins at the grassroot level with states and sectors implementing the same and contributing their step towards climate change sustainability. This analysis sheds light on the importance Haryana's state level energy policy implications by creating possible energy scenarios using a newly developed tool called E3ME India model. Haryana's energy efficiency has been commendable over the years; however, an anomaly of its score in SECI Index released by the NITI Aayog raises question on the same. The state has potential of implementing a mix of policy options to improve upon its energy efficiency and defy the score ranking of SECI index. The demonstration is purely based on the results of model which could vary greatly on ground, nevertheless, the potential impact would remain the same for the state.

**Keywords:** Energy Efficiency, CO<sub>2</sub> emissions, E3 India Model, Climate Change, NDC's

**JEL Codes:** Q42, Q43, Q54