

Q. The idea of power decarbonisation obligations could work with effective governance in order to provide a sustainable renewable energy supply for the country.

Ans:- Power decarbonisation obligations - could work with effective governance because for this our renewable energy sector will be increasing and get boosting their dominance in energy fields.
Some idea regarding power decarbonisation obligations as follows:-

(i) Regarding renewable energy the new IEA - prescribed scenario to phase out fossil fuels to achieve the 1.5°C target suggesting that the power sector achieves net zero by 2040 globally.

(ii) For net zero 2040 globally pressure on countries to develop long term deep decarbonisation plans with the ultimate goal of net zero emissions by the earliest possible year, would grow.

(iii) Total green house gas (GHG) emissions from India's electricity generation stood at 958 Mt CO₂, constituting 57% of the total GHG emissions from the energy sector and approximately 40% of India's total GHG emissions for 2015.

(iv) Decarbonising the power sector would essentially

entail monitoring renewable power in the overall
supply and use, target 175 bn and 450 bn
have been announced.

(v) Indian Electricity Act 2008, gave legal teeth
to RPOs that mandate all electricity distribution
licensees must purchase or produce a minimum
specified quantity of their electricity requirements
from renewable energy sources.

(vi) The cost of renewable power was higher than
that of coal-based power that was in the
region of Rs 8.72 per kWh. and RPOs were
prescribed for states as a whole not for
each district.

(vii) The relevance of RPOs and RECs and the
option of evolving a more logical and robust
system that can expedite decarbonisation of
India's power sector by 2050 or a reasonable
time period if not 2050.

The concept of power decarbonisation obligations
could work only with a firmly stated coordination
and implementation mechanism that involves policy,
regulation and enforcement, with state govern-
ments on board.