



No.: CHT/ED/06 2767

11.03.2021

Sub: Rajya Sabha Question Dy. No. S3145 dated 05.03.2021 to be answered on 17.03.2021 regarding Reducing Import dependence

Q (a). Whether Government is working to reduce import dependence and propose to increase the share of renewable sources in the energy basket to 40 percent by 2030 and to work towards clean and green sources of energy and reduce energy dependence and increasing focus on clean and green energy sources and ethanol and planning to spend around Rs. 7.5 trillion in creating oil and gas infrastructure over five years; and

Q (b). If so, the details thereof and the present status thereof as on date?

Ans. The inputs of CHT are as under:

To reduce import dependence, Govt. is working on five pronged strategy as under:

1. Increasing the production of domestic crude oil and natural gas
2. Energy conservation and energy efficiency
3. Demand substitution
4. Improvement in refinery processes
5. Promoting alternate fuels/ renewables

To reduce carbon footprint, Govt. targeted to achieve 40% cumulative electric power installed capacity from non-fossil fuel based energy by 2030 while reducing its GDP emission intensity by 33-35% compared to the 2005 level. A formal target of 175 GW renewable energy is set for 2022 and India has further embarked on an ambitious target of having 450 GW of renewable energy by 2030.

In order to reduce import of Crude, Govt. has released National Bio-fuel policy in 2018 with a target to blend 20% Ethanol in Gasoline by 2030. Govt. have decided to set up 12 second Generation (2G) Ethanol Commercial Plants and 10 Demonstration Plants in the country. PM JI-VAN Yojana was notified in March, 2019 for providing financial support to Integrated Bio-Ethanol Projects using lignocellulosic biomass & other renewable stocks.

For promoting use of Compressed Bio Gas (CBG), also known as Bio-CNG, Govt. of India launched the SATAT (Sustainable Alternative for Affordable Transportation) scheme in 2018 to set up 5000 CBG plants across the country with an estimated production of 15 MMTPA of CBG by 2022-23.

Govt. is also focusing on Research & Demonstration of Green Hydrogen related energy system and National Hydrogen Mission Programme is being launched. 18% Green hydrogen can be blended with CNG and HCNG can be distributed using existing infrastructure for CNG. This alone provide opportunity for bringing down import bill of Gas in a significant way as hydrogen has three times energy content as that of CNG.

Oil & Gas Industry is spending significant amount on creating infrastructure for Cross Country Gas Pipelines and CGD network to augment its usage, Port facilities for receipt of LNG, Refinery Capacity expansion and its integration with Value added Petrochemicals, Strategic Crude Oil Storage etc.

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