<u>Reply to Parliament Question No 14512 for 03.04.2025 for Lok Sabha regarding "Clean Energy - a Factor of India's Economic Growth" in respect of Numaligarh Refinery Limited (NRL):</u>

Q no. (a): **whether clean energy projected to be a key factor in India's economic development and in addressing the needs of its population, if so, the details thereof;**

Reply: Ministry to reply.

[In line with all oil and gas industries, NRL developed a Net Zero roadmap during 2022 with project plan, timeline and project costs as a guiding document to achieve net zero carbon emissions by the year 2038 with regards to scope 1 & scope 2. The projected investment of these project is approx. Rs. 17000 crore.]

Accordingly, company is gauging the carbon emissions YoY and has braced up with multiple projects involving low carbon, green, alternative and renewable energy technologies namely CO to acetic acid; green Hydrogen; SAF; waste ammonia recovery; Solar PV rooftops; RERTC (Renewable energy Round the clock) by integrating renewable energy into the refinery's power mix, alongside massive plantation drive.]

Q no. (b): **whether the Government has been pitching for clean energy cooking fuel innovations and extended open invitation to the entrepreneurs for the said purpose;**

Reply: Ministry to reply.

[NRL in collaboration with OIL India planning to set up 25 CBG (Compressed Biogas) plants across the various districts of Assam and Northeast each at minimum 2TPD capacity supporting the govt's scheme SATAT and Gobardhan for alternate energy growth.

The product Compressed Biogas would be injected into the Natural Gas pipeline circuit. This NG would cater to meet city gas through the CGD network. And this will create additional LPG pool to divert to underserved rural areas. With this initiative, the distribution would extend clean fuel to meet this section of the community.]

Q no. (c): **if so, the details thereof;**

Reply: Ministry to reply.

Q no. (d): **the details of the existing gas-based economy of the country as on date along with the details of targets, if any, fixed by the Government for its future extension;**

Reply: Ministry to reply.

Q no. (e): **the details of corrective steps taken/being taken by the Government for developing the national wide gas grid and other infrastructure required for achieving such targets; and**

Reply: Ministry to reply.

[NRL is a promoter with 20% equity share in the JV company Indradhanush Gas Grid Limited (IGGL) which is implementing the North East Gas Grid project. The project will connect all North East State capitals to the National Gas Grid.

Details of the project is as follows:

a. Project Cost - Rs. 9,265 Cr
b. Viability Gap Funding – Rs. 5,559 crores
c. Length of pipeline network – 1,656 km
d. Pipeline throughput – 4.75 mmscmd

Once implemented the project will ensure smooth supply of NG to all the NE states and help in ushering the states into Gas based economy and will help in rapid industrial development of the states.]

Q no. (f): **the details of the expenditure likely to be incurred for developing such national assets along with the details of the funds allocated and released so far by the Government in this regard?**

Reply: Ministry to reply.

[The details of the expenditure are provided in the reply of the 'e' above.]

Note for Supplementary:

Numaligarh Refinery Limited (NRL) is a Public Sector Enterprise with a 3.0 MMTPA petroleum refinery at Numaligarh in Golaghat district of Assam. Present shareholding pattern of NRL is Oil India Limited (OIL) – 69.63%, Govt. of Assam (GoA) – 26% and Engineers India Ltd (EIL) – 4.37%.

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