

Reply to Parliament Question No 4593 for 27.03.2025 for Lok Sabha regarding “Energy Transition in Petroleum Sector” in respect of Numaligarh Refinery Limited (NRL):

Q no. (a): the percentage reduction in carbon emissions achieved by the oil and gas PSUs during the last three years (2022-25) and current year, year and company-wise;

Reply: Ministry to reply.
[GHG emission of NRL is tabulated as below:

Sr. No.	FY	GHG Emission	Crude Processed
1	2021-22	732248-ton CO2	2624 TMT
2	2022-23	840190-ton CO2	3091 TMT
3	2023-24	699806-ton CO2	2509 TMT
4	2024-25 (Upto Feb'25)	774961-ton CO2	2792 TMT

There has been an overall reduction in emissions of 0.55% from FY 21-22 to FY 23-24.]

Q no. (b): the financial allocation made by the oil and gas PSUs for renewable energy projects during the last three years (2022-25) and the current year, year and company-wise;

Reply: Ministry to reply.
[No allocation was made during the period 2022-2025. Around INR 6.5 Crores was utilized for rooftop solar installations prior to that in 2018. For FY 25-26, it is planned to allocate around INR 5.6 Crores for additional solar rooftop installations (of 1.2 MW) across various sites of NRL.]

Q no. (c): the installed capacity of renewable energy projects operated by the oil and gas PSUs, technology-wise, including solar and wind; and

Reply: Ministry to reply.
[NRL has an existing portfolio of 1.05 MW of solar photovoltaic (PV) capacity which is 0.4 % of the total captive power generation. Project is in progress to maximize the rooftop solar generation potential of 1.2 MW across various sites of NRL by end of 2025.]

Q no. (d): the current status of green hydrogen projects undertaken by the oil and gas PSUs and the projected production capacity by 2030?

Reply: Ministry to reply.
[NRL is setting up a 2.4 KTPA green hydrogen plant on EPC basis, which is targeted to be commissioned by June 2025. WO awarded to Greenko ZeroC

and job is currently under progress. Further, NRL has also floated a tender to set up a 10 KTPA Green hydrogen on BOO (Build, Own and Operate) basis and to supply Green Hydrogen for use in refinery, under SIGHT 2B scheme of MNRE.]

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%.
