<u>Reply to Parliament Question No 2273 for 10.02.2025 for Rajya Sabha regarding "Vacancies in PSUs of Ministry of Petroleum and Natural Gas" in respect of Numaligarh Refinery Limited (NRL):</u>

Q No. (a) **details of vacancies reserved for OBCs, SCs and STs in PSUs/subsidiaries under Ministry of Petroleum and Natural Gas, entity-wise and cadre wise, with key focus in Andhra Pradesh;**

Reply: Ministry to reply.

[NRL does not have any establishment/ operation in Andhra Pradesh. However, the vacancies reserved for SC/ST/OBC(NCL) in NRL are as follows:

Group of Posts/ Cadre	Prescribed %age of reservation for SC/ST/OBC		
	SC	ST	OBC
A (Direct recruitment on all India basis by open competition)	15%	7.50%	27%
A (Direct recruitment on all India basis other than by open competition)	16.66%	7.50%	25.84%
C (Assam)	7%	12%	27%
C (West Bengal)	23%	5%	22%
D (Assam)	7%	12%	27%
D (West Bengal)	23%	5%	22%

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Q No. (b) **whether the government have taken steps to fill these vacancies across India, especially in Andhra Pradesh;**

Reply: Ministry to reply.

[NRL is conducting All India recruitment drives regularly to fill up vacancies with reservation of posts for SC/ST/OBC(NCL) as per prescribed percentage, where people from Andhra Pradesh can also apply.]

Q No. (c) **if so details thereof; if not reasons therefor;**

Reply: Ministry to reply.

[Advertisements will be released in Newspapers and NRL website for All India Open Recruitment, where people from Andra Pradesh can also apply.]

Q No. (d) **whether Ministry conducted job fairs/orientation programmes to OBCs, SCs and STs to fulfil these vacancies, if so details thereof especially in Andhra Pradesh; and**

Reply: Ministry to reply.

[NRL has not participated in any job fair till now]

Q No. (e) **Whether Ministry set timeline for filling vacancies of OBCs, SCs and STs; if so details thereof?**

Reply: Ministry to reply.

[Any vacancy arising in NRL for SC/ST/OBC(NCL) is attempted to fill up within the year.]

<u>Note for Supplementary:</u>

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%.

<u>Executive summary</u>

Numaligarh Refinery Limited (NRL) was incorporated on 22nd April 1993. NRL's establishment is rooted in the "Assam Accord" signed by the Government of India on 15th August 1985. NRL is a subsidiary of Oil India Limited (OIL) and operates a petroleum refinery at Numaligarh in Golaghat district of Assam. NRL is a Schedule- A, Category-I Miniratna CPSE under the Ministry of Petroleum and Natural Gas, Govt. of India. NRL's commercial operations commenced from 1st October 2000.

NRL has an LPG Bottling Plant at Numaligarh (capacity 42 TMTPA) besides two marketing terminals at Numaligarh and Siliguri. White Oil products, viz. MS, SKO and HSD are transported from Numaligarh to Siliguri through the Numaligarh-Siliguri product pipeline (NSPL) of Oil India Limited.

NRL's refinery has a high complexity factor owing to advanced secondary processing technologies that has enabled achievement of high distillate yield. Product slate of NRL comprises LPG, Naphtha, Motor Spirit, Aviation Turbine Fuel, High Speed Diesel, Superior Kerosene Oil, Paraffin Wax, Raw/ Calcined Petroleum Coke and Sulphur. NRL has the largest Wax producing unit in the country.

NRL is certified under ISO 9001 for Quality Management, ISO 14001 for Environment Management, OHSAS 18001 for Occupational Health & Safety, ISO 27001 for Information Security Management System and ISO 50001 for Energy Management.

Physical and financial performance of NRL during last five years is as follows:

Physical Performance:

Parameter	2019-20	2020-21	2021-22	2022-23	2023-24
Crude Receipt (TMT)	2,409	2,612	2,661	2,934	2,457
Crude Throughput (TMT)	2,383	2,707	2,624	3,091	2,510
Capacity Utilisation (%)	79.00	90.24	87.47	103.03	98.09
Distillate Yield (%)	83.0	86.36	85.69	87.69	86.54
Specific Energy Consumption (MBN)	65.0	64.37	63.51	61.66	61.57
Energy Intensity Index	86.3	86.99	84.68	82.31	81.36

Financial Performance:

Parameter	2019-20	2020-21	2021-22	2022-23	2023-24
Sales Turnover (Rs. Crore)	14,073	18,548	23,546	29,785	23,731
Profit Before Tax (Rs. Crore)	1,735	4,083	4,848	4,953	2,912
Profit After Tax (Rs. Crore)	1,381	3,036	3,562	3,703	2,610
Net worth (Rs. Crore)	5,340	5,596	8,388	11,427	13.17
GRM ($/bbl)	7.99	4.09	14.33	19.86	13,926

Annual capital expenditure of the company during the last five years is as follows:

Item	2019-20	2020-21	2021-22	2022-23	2023-24
Capex (Rs. Crore)	529.08	923.60	3605.42	6,841.41	8,501.90

The manpower strength of NRL during the last five years is given below:

	Total	GEN	SC	ST	OBC	Minority	PH	Female
2019-20	914	452	102	95	265	46	20	48
2020-21	974	466	103	100	305	44	20	66
2021-22	985	473	106	100	306	51	22	68
2022-23	1028	491	116	106	315	55	24	72
2023-24	1065	494	122	114	335	55	26	82

Details of CSR Budget, expenditure and carried forward amount during the last five years are tabulated below:

			(Amount in Rs. Lakhs)
S. N.	FY	Budget	Expenditure
1	2019-20	6225.38	6260.50
2	2020-21	5280.35	5300.20
3	2021-22	5905.28	5914.65
4	2022-23	7092.00	7412.03
5	2023-24	9227.00	9418.23

NRL is currently implementing the following major projects

a) **Numaligarh Refinery Expansion Project (NREP):** The approved cost of the project is Rs. 28,026 crore. Revised Cost Estimate of Rs. 33,901 crore is under approval and being reviewed at MoP&NG. The expansion project has been segregated into two parts, namely, a) 6 million refinery at Numaligarh and b) Paradip-Numaligarh Crude pipeline along with crude oil import terminal. Accordingly, budget allocations have also been segregated for monitoring and control. NRL Board has approved the revised completion schedule with Commercial Operation Date

(COD) date for the 6 million Metric Tons Per Annum (MMTPA) Refinery in December 2025 and for Paradip-Numaligarh crude oil pipeline in October 2025.

b) **Green Hydrogen Plant – 2.4 KTPA:** In line with National Green Hydrogen Mission and to meet the GHCO (Green Hydrogen Consumption Obligation) in coming years, NRL will set up a Green Hydrogen plant of capacity 300 Kg/hr. (2.4 KTPA) at Numaligarh on EPC basis. This will replace 5% of the present grey hydrogen being used by the refinery which will reduce approximately 24,000 Tons of C02 emission per annum. The approved cost of the project is Rs.170 crore. The project is targeted to be completed in June, 2025.

c) **Petrochemical Project:** The project involves setting up of a 360 KTPA Poly Propylene Unit (PPU) and its associated facilities at Numaligarh. The approved cost for the project is Rs. 7,231 crore. The entire project will be integrated with the units being set up as part of Numaligarh Refinery Expansion Project (NREP). VGO Hydrotreating facilities will be part of the RPTU (Residue Processing and Treating Unit) being set up under NREP. Propylene Recovery Unit will be set up downstream of PFCC (Petro Fluidized Catalytic Cracker) unit of NREP for separation of Propylene which will be a feedstock for Polypropylene Unit. Project is targeted to be completed in FY 2027-28.

d) **DCU Revamp:** The approved cost for the project is Rs. 490 crore which involves revamp of the existing Delayed Coker Unit (DCU) by increasing the capacity from 306 KTPA to 560 KTPA for processing Un Converted Oil (UCO) to be produced in the Resid Upgradation Facility of the new 6 million refinery. The project also includes replacement of critical and ageing equipment like coke chamber, heaters, and switch deck system. Anticipated project completion is December 2025.

e) **Dabidubi LPG Facility:** Numaligarh Refinery is setting up a 15 KM underground LPG pipeline to connect to its LPG facilities being setup at Dabidubi in Golaghat district of Assam. The capacity of the new LPG facility post commissioning of expansion project will be 700 KTPA at an approved project cost of Rs. 338 crores. The additional LPG will contribute towards mitigating the current LPG shortage in the NE region. Post completion of this new facility, it will become one of the largest LPG storage and distribution point in the region. Anticipated project completion is December 2025.

f) **SMT Augmentation:** The project involves installation of new tankages, ethanol blending facilities and rail / road loading spurs in Siliguri Marketing Terminal (SMT) to meet enhanced product evacuation requirements post refinery expansion. The approved cost for the project is Rs. 484 crore. Anticipated project completion is December 2025.

g) **Power Recovery Turbine in PFCC unit:** A Power Recovery Turbine will be installed in the flue gas section at downstream of reactor – regenerator section of PFCCU as an energy saving initiative.

This will generate power from regenerator flue gas to increase the energy efficiency of the unit and will result in reduction of $C0_2$ emissions from the complex. The approved cost of the project is Rs. 293.50 crore. Anticipated project completion is December 2025.

h) **Coke Drum Structural Project for NREP:** Along with the DCU revamp project, an approval was obtained for installation of Coke Drum Structural Package (CDSP) and associated facilities at an approved cost of Rs. 635.28 crore. Anticipated project completion is December 2025.

i) **2G Bio Refinery (JV project):** NRL, in collaboration with two other foreign investors, have formed the Joint Venture Company - "Assam Bio-refinery Private Limited (ABRPL)' which is setting up a second-generation bio-refinery at Numaligarh, Assam to produce ethanol from non-food grade feed stock bamboo. NRL owns 50% share in the JV company – ABRPL and remaining 50% equity is shared between two Finnish companies viz. M/s Fortum BV3 and M/s Chempolis. The approved cost is Rs. 4,200 crore. The first trial run has been conducted successfully to establish conversion of bamboo to alcohol. During the trial run, bamboo was successfully processed through the digestor, bamboo washing section, enzymatic hydrolysis and fermentation sections. The 2G bio-ethanol project at Numaligarh is set to become fully operational by the first quarter of 2025-26.

j) **North East Gas Grid Project (JV project):** NRL is a partner with 20% stake in the JV company - Indradhanush Gas Grid Limited (IGGL) which is executing the North East Gas Grid project to lay Natural Gas Pipeline of 4.75 MMSCMD capacity. The project is approved for implementation by the Govt. of India at a cost of Rs. 9,265 crore which includes a Viability Gap Funding of 60%. The project is targeted to be commissioned in March, 2025.