

LOK SABHA
UNSTARRED QUESTION NO. 2975
TO BE ANSWERED ON 08TH AUGUST, 2024

Enhancing Safety Standards in Petroleum Sector

2975 Shri Raju Bista:

पेट्रोलियम और प्राकृतिक गैस मंत्री

Will the Minister of PETROLEUM AND NATURAL GAS be pleased to state:

- (a) the details of measures taken to enhance the safety and efficiency of petroleum transport and storage during the last five years;
- (b) the data about incidents of safety breaches that have been recorded and the action taken to address them during the said period;
- (c) the budget allocation for improving safety standards in the petroleum sector for the current fiscal year; and
- (d) the data of the technological advancements implemented to ensure safe and efficient petroleum operations in PSUs?

ANSWER

पेट्रोलियम और प्राकृतिक गैस मंत्रालय में राज्यमंत्री
(श्री सुरेश गोपी)

**MINISTER OF STATE IN THE MINISTRY OF PETROLEUM AND NATURAL GAS
(SHRI SURESH GOPI)**

- (a) and (d) Oil and Gas Companies engaged in transport and storage of petroleum bear primary responsibility for their operations and are required to adhere to all standards in this regard. Oil Industry Safety Directorate (OISD), a technical directorate under the Ministry of Petroleum and Natural Gas, has been entrusted with the responsibility of formulating standards, overseeing its implementation through safety audits in petroleum industry with the aim to enhancing safety levels and reducing risks inherent with this industry.

OISD has informed that, inter alia, the following safety measures have been prescribed for petroleum industry to enhance the safety and efficiency of petroleum transport and storage:

Transportation by Road:

- Vehicle tracking is implemented, violations are monitored and actions being taken.
- Restriction on Night driving.
- Defensive driving and simulator-based training is being provided to the Tank Truck (TT) crew.

Transportation by pipeline:

- Monitoring of corrosion through intelligent pigging, cathodic protection etc.
- Supervisory Control and Data Acquisition (SCADA) system for on-line monitoring.
- Application software-based Leak Detection System (LDS) in liquid pipelines.
- Pipeline Intrusion Detection System (PIDS) for pilferage control.
- Pipelines mapping through Geographical Information System (GIS)

For storage tanks:

- Safety measures like pressure limiting device, Terminal Automation System (TAS), advanced fire fighting system and Remote Operated Shut-off Valve (ROSOVs).
 - Hydrocarbon Detectors and Gas Monitoring Systems at all potential leakage points to ensure early detection and provide timely warnings.
- (b) The details of number of major safety onsite accidents and accidents during transportation of petroleum products reported by Public Sector Oil Marketing Companies (OMCs) to OISD, in the last five years (2019-20 to 2023-24) are as below:

Financial Year	No. of major onsite accidents	No. of accidents during transportation
2019-20	11	94
2020-21	09	128
2021-22	16	92
2022-23	11	114
2023-24	13	110

All major onsite incidents are investigated by the respective OMCs and based on the outcome of investigation, remedial measures are taken by them. In addition, process-related major accidents are also investigated by OISD. The findings, including observations, root causes and recommendations are communicated by OISD to OMCs for corrective measures.

- (c) The details of budget allocated by Public Sector OMCs for improving safety standards across their organization for the current fiscal year 2024-25 are as below:

IOCL - Rs. 430 crore

HPCL - Rs. 337 crore

BPCL - Rs. 215.98 crore
