

**GOVERNMENT OF INDIA
PETROLEUM AND NATURAL GAS
LOK SABHA**

UNSTARRED QUESTION NO:4323
ANSWERED ON:06.09.2012
ONGC PIPELINE LEAKAGE
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Will the Minister of PETROLEUM AND NATURAL GAS be pleased to state:

- (a) whether leakage from pipelines of Oil and Natural Gas Corporation (ONGC) has been noticed in Andhra Pradesh;
- (b) if so, the details of such leakage noticed during the last three years;
- (c) whether any estimate has been made regarding losses due to such leakage;
- (d) if so, the details thereof; and
- (e) the steps being taken to avoid such incidents in future?

Answer

Minister of state in the Ministry of PETROLEUM AND NATURAL GAS (SHRI R.P.N. SINGH)

(a) to (e) No major leakage from the pipelines in the operational areas of Oil and Natural Gas Corporation (ONGC) in Rajahmundry Asset (Andhra Pradesh) has occurred during the last three years. However, ONGC is taking following steps to prevent leakages:

Monitoring of onland pipelines.

Intelligent pigging of trunk lines carried out to monitor the health of pipelines.

Improved 3 Layer Polyethylene (LPE) coating for pipelines for better resistance to corrosion.

Replacement of oil pipelines are taken up based on condition monitoring.

Technologies like Cathodic Protection, 3 LPE pipelines, Glass Fibre Reinforced Epoxy (GRE) lines are adopted for better pipeline protection.

Biotechnologies like Paraffin Degrading Bacteria (PDB), Chemical Injection, are used to protect pipelines.

In addition to above for preventing such incidents, Oil Industry Safety Directorate (OISD) has developed following standards and guideline which are being implemented by the Industry:-

S.No. OISD Standard No. Details of the Standard

1. OISD-Std-141 Design Construction and Inspection requirements for cross country pipelines
2. OISD-Std-214 Cross Country LPG Pipelines
3. OISD-Std-226 Natural Gas Transmission pipelines and City Gas Distribution Networks.

Apart from the above, OISD has developed guidelines for inspection of onland non-piggable pipelines including well flow lines and water injection pipelines in exploration and production sector which are being implemented by the industry.