

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

UNSTARRED QUESTION NO:3505
ANSWERED ON:14.12.2012
LOSS TO PETROLEUM INDUSTRY
Thakur Shri Anurag Singh

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

- (a) whether the petroleum industry is incurring losses due to corrosion in infrastructure and industry segments;
- (b) if so, the details thereof; and
- (c) the steps being taken by the Government to minimize this loss?

Answer

MINISTER OF STATE IN THE MINISTRY OF PETROLEUM & NATURAL GAS (SMT. PANABAKA LAKSHMI)

(a) to (c) Corrosion is a regular and natural phenomenon in petroleum industry. The six major Oil Public Sector Undertakings (PSUs) under Ministry of Petroleum & Natural Gas namely Oil and Natural Gas Corporation Limited (ONGC), Oil India Limited (OIL), Indian Oil Corporation Limited (IOCL), Hindustan Petroleum Corporation Limited (HPCL), Bharat Petroleum Corporation Limited (BPCL) and Gas Authority India Limited (GAIL) have not reported any significant loss due to corrosion.

Various preventive measures being taken by Oil PSUs to mitigate the effects of corrosion include selection of proper metallurgy, due consideration to corrosion allowance at design stage, Cathodic protection, corrosion monitoring/inhibitors, protective painting, use of bio-technologies like PDB (Paraffin Degrading Bacteria), chemical injection to protect pipelines, GRE lines for better pipeline protection etc.