

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

UNSTARRED QUESTION NO:203
ANSWERED ON:22.02.2013
SHALE GAS RESERVES
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Will the Minister of PETROLEUM AND NATURAL GAS be pleased to state:

- (a) the estimates of shale gas reserves in the country;
- (b) whether Public Sector Oil companies are acquiring shale gas assets in United States:
- (c) if so, the details thereof; and
- (d) the steps being taken by the Government to explore shale gas reserves in the country?

Answer

MINISTER OF STATE IN THE MINISTRY OF PETROLEUM & NATURAL GAS (SHRIMATI PANABAANKA LAKSHMI)

(a) The status on different estimates of shale gas resources in India is as under:

- i. Energy Information Administration (EIA) of USA has estimated about 290 Trillion Cubic Feet (TCF) of risked Gas-in-Place and 63 TCF technically recoverable shale gas reserves for 4 out of 26 sedimentary basins in India.
- ii United States Geological Survey (USGS), USA has estimated a recoverable shale gas reserves of about 6.1 TCF for 3 out of 26 sedimentary basins in India and also indicated that Indian Sedimentary Basins have potential for shale oil.
- iii Further studies relating to resource estimation of shale gas/oil in some of the India's basins/sub-basins are being carried out by ONGC and Central Mine and Planning Design Institute Limited (CMPDI).

(b) and (c) Oil India Limited (OIL) and Indian Oil Corporation Limited (IOCL) have invested in a shale oil/condensate asset (with minor gas to the tune of 20%) in the producing Niobrara shale oil/condensate asset of Carrizo Oil & Gas Inc., in United States of America (USA) and GAIL acquired 20% of the working interest of Carrizo's Eagle Ford producing shale acreage (net 4040 acres to GAIL) through its wholly owned US subsidiary, GAIL Global (USA) Inc. at a transaction cost of US\$95 million with an estimated future capital expenditure of US\$208 million (GAIL's share).

(d) In order to explore and exploit shale gas /oil resources in the country, the Government is formulating a Shale Gas/Oil Policy.