

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

STARRED QUESTION NO:80
ANSWERED ON:01.03.2013
EXPLORATION OF OIL AND NATURAL GAS DEPOSITS
Meghwal Shri Arjun Ram ;Yadav Shri Dinesh Chandra

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

- (a) the details of the geological and other surveys undertaken by the Government to discover/ explore the oil and natural gas deposits/blocks in the country during each of the last three years and the current year along with the oil and gas deposits/blocks discovered and explored so far, block and State-wise including Rajasthan;
- (b) whether the work of geological survey for discovering oil and gas deposits in Rajasthan is being carried out at the desired pace;
- (c) if so, the details thereof and if not, the reasons therefor along with the corrective measures taken by the Government in this regard;
- (d) whether the Government is dependent on certain private and foreign companies/entities for carrying out exploration of oil and natural gas in the country; and
- (e) if so, the details thereof and the reasons therefor along with the details of oil and gas blocks being explored by these companies in the country during each of the last three years and the current year and allotted to the public and private sectors companies, block-wise and sector-wise?

Answer

Minister of PETROLEUM & NATURAL GAS (DR. M. VEERAPPA MOILY)

(a) to (e): A statement is laid on the Table of the House.

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (e) OF THE LOK SABHA STARRED QUESTION NO. 80 BY SHRI ARJUN MEGHWAL AND SHRI DINESH CHANDRA YADAV, MPs TO BE ANSWERED ON 01.03.2013 REGARDING EXPLORATION OF OIL AND NATURAL GAS DEPOSITS

(a) The Directorate General of Hydrocarbons (DGH) conducts various geo-scientific surveys in onland and offshore areas of the country to ascertain the hydrocarbon prospectivity. The details of such surveys carried out by DGH in the last three years and the current year (till January,2013) are given as under:

GEO-SCIENTIF SURVEYS CARRIED OUT BY DGH DURING 2009-10 TO 2012-13 (Till January, 2013)

SR.No. Area/Block Survey Type Location Survey Carried Out Year

1. SEISMIC AND GRAVITY MAGNETIC SURVEYS

1 Western and 2D seismic Offshore 9632.5LKM 2008-10

Eastern
Offshore

2 Western 2D seismic Offshore 3607.5LKM 2009-10

Offshore

3 Kutch Airborne Onland 13,994.64 LKM 2009-10

Gravity

II. GEOCHEMICAL SURVEYS

SR.NO.	Area/Basin	State	Location	Number of Samples Collected	Year
1	RAJASTHAN	RAJASTHAN	554	2009-10	
2	BENGALONLAND	WEST BENGAL	800	2009-10	
3	CAUVERY BASIN	TAMIL NADU	300	2010-11	
4	SATPURA- SOUTH	JHARKHAND -CHATTISGARH	Onland 300	2010-11	
	REWA DAMODAR				
5	SOUTH	CHATTISGARH	410	2011-13	
	REWA				
6	SPITI- ZANSKAR-	JAMMU & KASHMIR / HIMACHAL PRADESH	1014	2012-13	
	KAREWA				

In addition to the above surveys, Oil and Natural Gas Corporation Ltd. (ONGC), Oil India Ltd. (OIL) and Private/JV companies also carry out various geo-scientific surveys in the awarded blocks under the Production Sharing Contract (PSC) regime in line with the Work Programmes in the PSCs. During the last three years and current year (till January, 2013), exploration activities in terms of acquisition of 1,08,454 Line Kilo Meter (LKM) of 2D and 1,02,901 Sq. KM (SKM) of 3D seismic surveys and drilling of 243 exploratory wells have been carried out in 172 exploration blocks/fields, resulting in 52 hydrocarbon discoveries (31 oil and 21 gas) . Out of these, the Declaration of Commerciality (DoC) of 7 oil discoveries made in Gujarat has been reviewed by the Management Committee (MC) and an In-Place oil volumes of 64.85 Million Barrels has been established. The other discoveries are under various stages of evaluation/appraisal/ commerciality. The details of block-wise, year-wise and area-wise exploration activities and discoveries made are given in Annex-I & Annex-II respectively.

In the exploration blocks awarded under nomination regime, ONGC and OIL are carrying out exploration for hydrocarbons in the Country. ONGC has carried out 1401.2 LKM of 2D seismic survey and 3462.54 SKM of 3D seismic survey as well as drilled 96 exploratory wells during last 3 years and current year in 59 blocks. The state-wise and block-wise details of exploration work carried out by ONGC are at Annex-III. OIL has carried out 2462.31 LKM of 2D seismic survey and 1258.18 SKM of 3D seismic survey as well as drilled 25 exploratory wells during last 3 years and current year. The state-wise and block-wise details of Exploration work carried out by OIL are at Annex-IV. As a result of these exploratory efforts carried out in nomination blocks, ONGC and OIL have made 19 and 25 hydrocarbon discoveries respectively.

(b) & (c) Exploration works are being carried out as per the industry standards and provisions of Production Sharing Contracts (PSCs) in the country including the state of Rajasthan.

(d) & (e) Both Public sector companies as well as Private Indian and Foreign Companies are carrying out hydrocarbon exploration as per the provisions of PSCs, as per details in Annex-I to IV.