

LOK SABHA
UNSTARRED QUESTION NO. 4680
TO BE ANSWERED ON 22nd July, 2019

Exploration of Oil and Natural Gas

4680. SHRI SUNIL DATTATRAY TATKARE:
SHRI KULDEEP RAI SHARMA:
DR. HEENA GAVIT:
DR. SUBHASH RAMRAO BHAMRE:
SHRIMATI SUPRIYA SULE:

पेट्रोलियम व प्राकृतिक गैस मंत्री

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

(a) the details of private/public sector companies involved in exploration and production of oil and gas along with oil and gas explored and produced by them during the last three years and the current year along with the expenditure incurred on exploration of such oil/gas wells, State/UT/ Company/Project-wise especially in Andaman and Nicobar Islands;

(b) the details of survey conducted/ proposed to be conducted and oil and gas field discovered by public/private sector companies in the country, State/UT/ Company/Oil/Field/Project-wise especially Andaman and Nicobar Islands; and

(c) whether the Government has failed to achieve the targeted exploration and production of oil and natural gas in the country and if so, the details thereof and the reasons therefor?

ANSWER

पेट्रोलियम और प्राकृतिक गैस मंत्री (श्री धर्मेन्द्र प्रधान)

MINISTER OF PETROLEUM AND NATURAL GAS
(SHRI DHARMENDRA PRADHAN)

(a) & (b) The list containing names of private/public sector companies involved in the exploration and production activities is placed at Annexure. State-wise/company-wise details of domestic oil and gas produced during last three years and during current year (till May, 2019) are as under:

Crude Oil Production (Thousand Metric Tonnes)

State/Source	2016-17	2017-18	2018-19 (P)	2019-20 (till May, 2019)
Onshore				
Andhra Pradesh	276	322	296	40.40
Arunachal Pradesh	55	50	43	9.16
Assam	4,203	4,342	4,275	700.41
Gujarat	4,605	4,591	4,626	794.71
Rajasthan	8,049	7,720	7,464	1201.97

Tamil Nadu	284	345	395	68.85
Total Onshore	17,472	17,369	17,099	2815.5
Share of ONGC	5934	6010	6074	1025.54
Share of OIL	3258	3376	3293	539.16
Share of Private/JV	8,280	7,984	7,732	1250.79
Offshore				
Share of ONGC	14,921	14,785	13,484	2184.84
Share of Private/JV	2,108	1,890	1,892	278
Total Offshore	17,029	16,676	15,376	2462.27
Condensate (ONGC)	1363	1454	1485	240.54
Condensate (Pvt./JV)	144	185	244	(already Included)
Total Oil Production	36,009	35,684	34,203	5,518.61

Natural Gas Production (in MMSCM)

State/Source	2016-17	2017-18	2018-19 (P)	2019-20 (till June, 2019)
Onshore				
Andhra Pradesh	868	959	1081	152.74
Arunachal Pradesh	28	30	28	50.3
Assam	3128	3219	3289	488.41
Gujarat	1580	1607	1402	227.1
Rajasthan	1277	1442	1483	260.11
Tamil Nadu	983	1207	1208	199.78
Tripura	1430	1440	1554	279.88
Jharkhand (CBM)	3	4	4	0.78
Madhya Pradesh (CBM)	6	200	357	56.83
West Bengal (CBM)	555	531	350	52.22
Total Onshore	9858	10639	10756	1768.15
Share of ONGC	5205	5638	5633	920.27
Share of OIL	2937	2881	2722	455.38
Share of Private/JV	1717	2119	2401	392.5
Offshore				
Share of ONGC	16883	17791	19042	3199.83
Share of Private/JV	5155	4219	3075	426.84
Total Offshore	22038	22011	22117	3626.67
Total Gas Production	31897	32649	32873	5394.81

During last three years i.e. from 2016-17 to 2018-19, Oil and Natural Gas Corporation (ONGC) has made an investment of about ₹75000 crore while Oil India Limited (OIL) has made investment of about ₹9688.71 crore in E&P activities. Investment made by Pvt./JV companies is about \$562 million in the Production Sharing Contract (PSC) regime during last three years.

State-wise details of 2D and 3D seismic surveys conducted by public/private sector companies during last three years in the country are as under:

Location Area	Operator	2D (LKM)	3D (SKM)
Andhra Pradesh	ONGC	523	2213.99
Arunachal Pradesh	OIL	99.24	0
	Geo Enpro	0	0
Assam	ONGC	208.51	246.85
	OIL	257.64	796.14
Eastern Offshore	Cairn Energy India Pty Ltd.	3124	811
Gujarat	BPRL	10	131
	ONGC	270	940.25
Madhya Pradesh	ONGC	571.52	472.71
Rajasthan	HOEC	110	1151
	ONGC	0	256.96
	OIL	0	219.35
Tamil Nadu	GAIL (India) Limited.	0	500
Tripura	Jubilant Oil & Gas Private Limited.	104	0
	ONGC	88.55	249.66
Western Offshore	Focus Energy Ltd.	11500	0
	Essar Oil Ltd.	0	1431
	ONGC	0	13103.21
Eastern Offshore	ONGC	0	932.24
Grand Total		16866.46	23455.36

Under various rounds of New Exploration Licensing Policy (NELP), 11 exploration blocks covering an area of 83,419 sq.km. were awarded in Andaman deep-water area. 27,070 Line Kilometer(LKM) of 2D and 16,516.68 Square Kilometer(SKM) of 3D seismic data have been acquired and 6 exploratory wells have been drilled. US\$ 737 million has been incurred on carrying out these exploration activities.

(c) The production from an oil well depends on various factors such as reservoir profile, location, geological conditions etc. Over a period of time, the production from a well declines due to multiple reasons including aging/maturing of the well. In India, most of the production under nomination regime is from matured/aged fields/wells. In mature fields production declines over a period of time and subsequent revival of these wells is a continuous and dynamic process and is an intrinsic characteristic of any oil field. Exploration & Production (E&P) companies make efforts to revive such wells by using techniques such as periodical well intervention, workover jobs, well simulation jobs including hydro-fracturing, installation of suitable artificial lift systems and side-tracking of wells etc.

ANNEXURE REFERRED IN REPLY TO PART (a) OF LOK SABHA UNSTARRD QUESTION NO. 4680 TO BE ANSWERED ON 22nd JULY, 2019 REGARDING “EXPLORATION OF OIL AND NATURAL GAS”

Sr. No.	Government Companies
1	Bharat Petro Resources Ltd
2	Bharat Petroleum Corporation Limited.
3	Engineers India Ltd.
4	GAIL (India) Limited.
5	Gujarat State Petroleum Corporation Ltd.
6	Indian Oil Corporation Ltd.
7	Oil and Natural Gas Corporation Ltd.
8	Oil India Ltd.
9	Prize Petroleum Company Ltd.
	Private Companies
1	Adani Welspun Exploration Ltd.
2	Adbhoot Estates Private Limited
3	Arch Softwares Private Limited
4	Arsh Corporate Services Private Limited
5	Assam Company Ltd.
6	Bagadiya Brothers Private Limited
7	BDN Enterprises Pvt Ltd
8	BF Infrastructure Ltd.
9	Birkbeck Investment Ltd.
10	BP Exploration (Alpha)
11	Cairn Energy Hydrocarbons Ltd
12	Deep Energy Llc
13	Deep Industries Ltd.
14	Deep Natural Resources Limited
15	Duggar Fiber Pvt Ltd
16	Essar Oil Ltd.
17	Focus Energy Ltd.
18	Frost International Ltd
19	Ganges Geo Resources Private Limited
20	GEM LABORATORIES PRIVATE LIMITED
21	GEM PETRO E&P PRIVATE LIMITED
22	Geo Enpro
23	Geo-Global Resources Inc.
24	Geo-Petrol International Inc.
25	Gujarat Natural Resources Ltd.
26	Hardy Exploration & Production (India) Inc.
27	Harish Chandra (India) Ltd.
28	Hindustan Oil Exploration Company Limited.
29	IMC Limited
30	Invenire Energy Private Limited
31	iServices Investment Ltd.
32	Jay Polychem (India) Ltd.
33	Jay Polychem Pte.Ltd.
34	Joshi Tech. Inc.
35	Jubilant Energy (Kharsang) Pvt. Ltd.
36	Jubilant Enpro Pvt. Limited.
37	Jubilant Oil & Gas Private Limited.
38	Jubilant Securities Pvt. Ltd.
39	Kanvel Finance Limited.
40	Keerthi Industries Limited
41	KEI-RSOS Petroleum & Energy Pvt Ltd
42	KGN Industries Limited
43	KGN Oil & Gas Private Limited
44	Mahendra Infratech Pvt Ltd

45	Megha Engineering and Infrastructures Limited
46	Mercator Petroleum Private Limited.
47	Monnet Ispat & Energy Ltd.
48	Newbury Oil Company Ltd.
49	Niko Resources Limited.
50	NIPPON POWER LTD
51	Oilex-NL Holdings Ltd
52	OILMAX ENERGY PRIVATE LIMITED
53	Omkar Naturals Resources Pvt. Ltd.
54	Pan India Consultants
55	PFH OIL AND GAS PRIVATE LIMITED
56	Ramayna Ispat Private Limited
57	Ravva Oil Pte. Ltd.
58	Reliance Industries Ltd.
59	Royal Dutch Shell
60	Safal WSB Energy Private Limited
61	Savla Electronics Pvt. Ltd.
62	Selan Expl. Tech. Ltd.
63	Shanno Business India Private Limited
64	Shanti G.D. Ispat and Power Pvt. Ltd.
65	Shiv - Vani
66	South Asia Consultancy FZE
67	Sun Petrochemical Pvt. Ltd.
68	Tata Petrodyne Ltd.
69	Vedanta/Cairn
70	Videocon Petroleum Limited.
71	Vijayasri bhaskar industries private limited
