

LOK SABHA
UNSTARRED QUESTION NO.2429
TO BE ANSWERED ON 14TH DECEMBER, 2015
INVESTMENTS ABROAD BY COMPANIES

2429. DR. SANJAY JAISWAL:
SHRI B. SRIRAMULU:

पेट्रो लयम और प्राकृतिक गैस मंत्री

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

- (a) whether the Oil and Natural Gas Corporation Limited (ONGC/ONGC Videsh Limited(OVL)/State owned oil companies have planned bilateral energy trade between African/European/Russian oil producers/countries in the next few years;
- (b) if so, sthe details thereof along with value of assets/oil reservoirs acquired/stake bought in foreign companies by ONGC/OVL/oil companies abroad and the time by which exploration and production of crude oil and natural gas from these oil blocks are likely to be started, oil-fields/gas blocks/country/company-wise
- (c) whether the Government has any plans to expand the scope of cooperation between India and Africa in the hydrocarbon space and if so, the details thereof;
- (d) whether Iran has withdrawn the offer of production sharing contract for the development of Farzad-B gas fields from the ONGC Videsh Limited led consortium and if so, the details thereof along with any proposal to develop Iran oil and gas resources/projects; and
- (e) whether public/private sector companies have discovered crude oil and natural gas discoveries in foreign/neighbouring countries during the last three years and the current year and if so, the details thereof along with the present status of commercial production in these gas blocks, oil fields, country/company-wise including Private/Public Sector Companies?

ANSWER

पेट्रो लयम और प्राकृतिक गैस मंत्रालय में राज्य मंत्री (स्वतंत्र प्रभार) (श्री धर्मेन्द्र प्रधान)
MINISTER OF STATE(INDEPENDENT CHARGE) IN THE MINISTRY OF
PETROLEUM AND NATURAL GAS (SHRI DHARMENDRA PRADHAN)

- (a) Indian Oil companies view Africa and Russia as important sources of energy supplies given the sizable hydrocarbon resources in these regions. Indian oil companies are interested in investing in the E&P activities in these countries subject to satisfactory techno-commercial viability, country risks and regulatory approvals.
- (b) Details of assets acquired by oil companies are given at Annexure-I.
- (c) India is hosting the 4th India Africa Hydrocarbon Conference on January 21-22, 2016 to expand the scope of cooperation between India and Africa.
- (d) The issue of Farzad-B Oil field in Iran is still under negotiation between ONGC Videsh Limited and National Iranian Oil Company.
- (e) Information with regard to Public Sector companies is at Annexure-II.
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Annexure referred to in reply to parts (a) & (b) of Lok Sabha Unstarred Question No.2429 to be answered on 14th December, 2015 regarding investments abroad by companies

The details of assets owned by companies

I. ONGC Videsh Limited

CIS/Russia/Europe

Azerbaijan – Azeri, Chirag and Deep Water Gunashli(ACG) Oil Fields – ONGC Videsh acquired 2.7213% Participating Interest (PI) on 28th March 2013 from Hess Corporation at a consideration of 813.56 million USD. The field is producing since 1997 and current rate of production from the fields is 638000 bopd.

Africa

Mozambique – Rovuma Area – 1 Offshore Mozambique – ONGC Videsh has acquired 16% PI, in two stages, at a total consideration of USD 4.125 billion – 6% from M/s Videocon on 7th January 2014 and 10% from Anadarko Mozambique Area 1 Limitada (Anadarko) on 28th February 2014. The Area 1 presently has estimated recoverable gas resource of 75 tcf. Gas is planned to be marketed as LNG. First LNG is expected in the year 2020.

II. Indian Oil Corporation Limited

IOCL has participating Interest(PI) in five oil and gas blocks in African countries with a plan of investment of US\$43 million in the next few years in these blocks.

Block/(Entry through)	Location/ Nature of Project	Consortium Partners	Value of stake acquired by IOC (US\$ Million)	Remark
Shakthi (Farm-in)	Onshore, Gabon	OIL-50% (operator) IOCL-50%	6.25 (Entry cost)	Year of production would be decided
OML142 (Bid Round)	Onshore, Nigeria	Summit Oil Int'l Ltd(Nigeria)-30% (operator) Suntera Nigeria 205 Ltd(Sn205)*-70%*comprises SRL 142 Holding Ltd-50%, IOC-25% and OIL-25%	Nil	based on the discoveries during exploration phase and subsequent development plan
Area 95-96 (Bid Round)	Onshore, Libya	Sonatrach-50% (operator) IOC-25% OIL-25%	2.5 (Signature Bonus paid)	
Area 86 (Bid Round)	Onshore, Libya	OIL-50% (operator) IOC-50%	NIL	MWP completed
Block 102/4 (Bid Round)	Onshore, Libya	OIL-50% (operator) IOC-50%	1.5 (Signature Bonus paid)	MWP completed

III. Oil India Limited

Country	Name of Project	Participating companies along with P.I.	Present Production (OIL's share)	If not Producing, Expected Date of Production	Expenditure / Investment \$USD Million (Till 30 Sept 2015)	Major Issues / Highlights / Problems, If Any (March 2015)
Libya	Area-95 / 96	SONATRACH - 50% (Op)* OIL - 25% IOC - 25%	NIL	Under Exploration & Appraisal	36.05	Total 5 wells drilled and discovered both oil and gas. All operations suspended since 19.05.2014 due to hostile law & order situation.
Gabon	Shakthi-II	OIL - 50 % (Op) IOC - 50%	NIL	Under Exploration & Appraisal	69.93	Two Appraisal wells have been drilled. Close grid 2D Seismic Data being acquired. Development Plan is also under preparation.
Nigeria	OML142	Summit Intl. -30% (Op) Suntera Resources Ltd. - 35% OIL - 17.5% IOC - 17.5%	NIL	Under Exploration	15.59	125 Sq Km of 3D acquisition completed. Processing and interpretation of Acquired 3D seismic data is yet to be taken up.
Yemen	Block 82	MEDCO - 38.25% (Op) Kuwait Energy - 21.25% OIL - 12.75% IOC - 12.75% YGCO - 15% (CI)	NIL	Under Exploration	6.00	MWP under suspension since February 2015 due to adverse law and order situation. Operator has sent requests for declaration of Force Majeure.
Venezuela	Project Carabobo - 1	CVP - 71% Repsol - 11% OVL - 11% OIL - 3.5% IOC- 3.5%	573 BOPD	Early Production commenced	58.24	Early accelerated production commenced since end of December 2012.
USA	Niobrara Shale Asset (date of Acquisition: 04/10/2012)	Carrizo (60% - Op) ; OIL (20%) ; IOCL (10%); Haimo- (10%)	563 BOEPD	Producing Asset	109.14	Production onstream. Activity slowed down due to current crude price.

Country	Name of Project	Participating companies along with P.I.	Present Production (OIL's share)	If not Producing, Expected Date of Production	Expenditure/ Investment \$USD Million (Till 30 Sept 2015)	Major Issues / Highlights / Problems, If Any (March 2015)
Mozambique	Area Rovuma 1 Offshore (date of acquisition: 07/01/2014)	BREML: 10% (OVL: 60% & OIL:40%) Anadarko: 26.5% (Op) BPRL: 10% PTTEP: 8.5% Mitsui: 20% OVL: 10% ENH: 15%	NIL	Under Development	1,078.39	Interest in the Asset acquired on 07/01/2014.
Bangladesh	Block SS-04	OVL: 45% (Op) OIL: 45% BAPEX: 10%	NIL	Under Exploration	0.79	Seismic acquisition to commence soon
Bangladesh	Block SS-09	OVL: 45% (Op) OIL: 45% BAPEX: 10%	NIL	Under Exploration	0.65	Seismic acquisition to commence soon
Myanmar	Block M-4	OIL:60% (Op) Oilmax: 10% Mercator: 25% Oil Star:5%	NIL	Under Exploration	0.11	PSC signed on 04.12.2014 in Nay Pyi Taw, Myanmar. Preparations are ongoing to undertake MWP
Myanmar	Block-YEB	OIL:60% (Op) Oilmax: 10% Mercator: 25% Oil Star:5%	NIL	Under Exploration	0.11	PSC signed on 04.12.2014 in Nay Pyi Taw, Myanmar. Preparations are ongoing to undertake MWP
Russia	License 61	OIL: 50% Petronet: 50% (Jt Operators)	1250 BOPD	Producing Asset	76.56	Production onstream. 1000 Line Km of 2D seismic survey carried out. Processing and interpretation data is under progress.

IV. **Bharat Petroleum Corporation limited**

Bharat PetroResources Ltd.(BPRL), a 100% subsidiary of Bharat Petroleum Corporation Ltd has participating Interest in 10 block in overseas. Over the past few years, BPRL consortium has had oil/gas discoveries in Mozambique, Brazil, Indonesia and Australia. The details are given below:

Mozambique

BPRL farmed into the Offshore Area 1 block of the Rovuma Basin, Mozambique, with a participating Interest (PI) of 10% in 2008. In the last three years, the drilling of the prospects in Golfinho, Atum, Orca and Tubarao-Tigre have led to discoveries of Natural Gas. These discoveries along with the earlier discoveries total to 75+ Trillion cubic feet of natural gas resources that have been discovered in the block till date. The partnership in the block is moving ahead to monetize the gas by setting up a 2 train (each train of 6 MMTPA) on shore LNG Plant in Mozambique, which targets delivery of the first LNG cargo in 2020.

Brazil

IBV Brasil petroleo Ltda (IBV Brasil) incorporated in Brazil; a 50-50 Joint venture company between foreign subsidiaries of BPRL and Videocon Industries Limited, presently holds participating interest (PI) in 6 deep water offshore exploration blocks spread over three concessions. Details of blocks are given below. All the blocks are in various stages of exploration/appraisal and no production has commenced from any of the blocks.

Till date, seven major hydrocarbon discoveries have been made in the above blocks. Six discoveries have been made in Sergipe Alagoas basin (BM-SEAL-11) and one discovery in Campos Basin. Appraisal Plans for these discoveries have since been approved by the regulator. ANP. During the past three years, 5 discoveries of oil/gas have been made in BM-SEAL-11 concession.

IBV Brasil has already invested to the tune of USD 1400 million, with commitments in excess of USD 2000 million towards exploration and appraisal activities in Brazil.

IBV's Block Details

S.No.	Concession	No. of Blocks	Partners with % PI	Operator
1.	Sergipe-Alagoas Basin: BM-SEAL-11 Concession	3	Petrobras-60%, IBV-40%	Petrobras
2.	Campos Basin: BM-C-30 concession	1	Anadarko-30%, IBV-25% BP-25%, Maersk-20%	Anadarko
3.	Potiguar Basin: BM-POT-16 Concession	2	Petrobras-30%, Petrogal-20% IBV-20%, BP-30%	Petrobras

PI – Participating interest

BP – British Petroleum

Indonesia:

BPRL farmed into the Nunukan Production Sharing Contract (PSC) in the Tarakan Basin, East Kalimantan, Indonesia in September 2009, through its subsidiary BPRL Ventures Indonesia BV, and has a Participating Interest (PI) of 12.5%. Other Joint Venture (JV) partners are PT Pertamina Hulu Energi's and Videocon Indonesia. So far, JV has drilled 4 exploratory and appraisal wells in the block. While Badik 1 well drilled in June 2010 was declared a discovery, drilling of wells Badik 2, Badik 3 and West Badik During 2013-14 have confirmed the present of producible hydrocarbons.

As per the Operator, the Plan of Development (POD) reserves stand at 208.5 bcf of Gas and 1.05 million barrels of Oil, together working to 38.5 MMBOE. The JV have submitted its POD to the regulator SKKMigas for approval. The Final Investment Decision shall be taken after a detailed front End Engineering and Design (FEED) is conducted and Gas marketing agreements are in place.

Australia

BPRL farmed into Block EP – 413, with Shale Gas potential, in 2010 acquiring a 27.803% Participating Interest. The block is operated by Norwest Energy, and the other consortium partner in this Block is ARC Energy a subsidiary of Australia Worldwide Exploration. A well Arrowsmith-2 has been drilled in 2011 and fractured hydraulically with Hydrocarbon shows in all five zones. The permit has been renewed for a further period of 5 years till 2018. 3D seismic acquisition has been completed and processing of data is in progress. This will enable the JV to decide on further well locations to appraise the block.

Annexure referred to in reply to part (e) of Lok Sabha Unstarred Question No.2429 to be answered on 14th December, 2015 regarding investments abroad by companies

STATEMENT OF OVERSEAS PROJECTS/ASSETS

S.No.	Country	Name of Project	Participating companies along with P.I.
1.	Vietnam	Block 06.1(offshore)	OVL 45%. TNK-35%(Operator); PetroVietnam 20%
		Block 128(offshore)	OVL 100%
2.	Sudan	GNPOC(Onland)	OVL 25%; CNPC 40% Petronas 30%; Sudapet 5%. Jointly operated
3.	South Sudan	GPOC(Onland)	OVL 25%; CNPC 40%; Petronas 30% Nilepet 5%(Jointly operated)
		SPOC(Block 5A), Onland	OVL 24.125%; Petronas 67.875%; Nilpet 8%. Jointly operated
4.	Russia	Sakhalin-I(Offshore)	OVL 20%; ENL 30%(Operator) Sodeco 30%; SMNG-S 11.5% RN Astra 8.5%
		Imperial Energy(Onland)	OVL 100%
5.	Colombia	MECL(Onland)	OVL 25-50%; SIPC 25-50%; Ecopetrol 50% Jointly operated
		Block RC # 8 (Offshore)	OVL 40%(Operator), Ecopetrol-40%; Petrobras-20%
		Block RC # 9 (Offshore)	Ecopetrol-50%(Operator), OVL-50%
		Block RC # 10 (Offshore)	OVL-50%(Operator), Ecopetrol)-50%
		CPO-5 (Onland)	OVL-70%(Operator), Petrodorado-30%
		SSJN-7(Onland)	PSE 50%(Operator), OVL 50%
		Gua off-2(Offshore)	OVL 100%
6.	Syria	AFPC (Onland)	SSPD(Operator) 62.5-66.67%, HES BV 33.33 TO 37.5%
		Block 24 (Onland)	OVL 60%, IPR 25% (Operator), TOM(15%)
7.	Venezuela	Sancristobal, PIVSA (Onland)	OVL 40%, PDVSA 60% Jointly operated
		Carabobo Project-1(Onland)	PdVSA-60%; Repsol-11% Petronas-11%; OVL-11% OIL-3.5% IOC-3.5% Jointly operated
8.	Brazil	BC-10 (offshore)	OVL 27%; Shell 50% (Operator) & Petrobras 35%
		BM-SEAL-4(Offshore)	Petrobras-75%(Operator), OVL-25%
		Espirito Santo/Brasil	Petrobras-40-70%, IBV Brasil*-30%, Anadarko-0-30%
		Campos/Brasil	Anadarko-30%, IBV Brasil*-25%, BP-25%, Maersk-20%
		Sergipe/Brasil	Petrobras-60%, IBV Brasil*-40%
		Potiguar/Brasil	Petrobras-30%, BP-30%, IBV Brasil* -20%, Petrogal-20%
9.	Azerbaijan	ACG	OVL-2.7213%; BP:-36%(Op) SOCAR-12%, Chevron-11% INPEX-11%, Exxon-8%, Stat Oil-8%, TPAO-7%, ITOCHU-4%

10.	Myanmar	Block A-1(offshore)	OVL 17%, GAIL 8.5%, Daewoo 51%(Operator), Kogas 8.5%, MOGE 15%
		Block-A3(offshore)	OVL 17%, GAIL 8.5%, Daewoo 51%(Operator), Kogas 8.5%, MOGE 15%
11.	Iran	Farsi Offshore	OVL 40%(Operator), IOC-40%, OIL 20%
12.	Mozambique	Rovuma Area-1(Offshore)	OVL 6%, OIL 4%, Anadarko 36.5%, PTTEP 8.5%, BPCL 10%, ENH 15%, MITSUI 20% (additional acquisition of 10% share of Anadarko by OVL is also under finalization).
13.	Libya	Block 43 Contract Area(Offshore)	OVL 100%
		Area 86	OIL-50%(Operator); IOC-50%
		Area 102/4	OIL-50%(Operator); IOC-50%
		Area 95 -96	Sonatrach-50%(Operator) OIL-25%; IOC-25%
14.	Gabon	Block Shakthi	OIL-45%(Operator); IOC-45%; Marvis Pte Ltd-10%
15.	Iraq	Block 8(onland)	OVL 100%
16.	Cuba	Blocks 34 & 35 (offshore)	OVL 100%
17.	Nigeria	Block 285 {Block 279,297 (relinquished)}	OMEL(O):64.33% Total: 25.67% EMO: 10%
		OML 142	Summit Oil -30%(Operator) Suntera Nigeria 205 Ltd-70%* *Suntera-50%; OIL-25%; IOC-25%
18.	Kazakhstan	Satpayev	OVL-25%, Kazmunaygaz-75% (Operator)
19.	East Timor	JPDA-06-103	Oilex(10%), Japan Energy(15%), Videocon(20%), GSPC (20%), BPRJPDA (20%), Pan Pacific Petroleum (15%)
20.	Timor-Leste	Block-K	REP DMCC-75%(Operator) OIL-12.5% IOC-12.5%
21.	Australia	EP 413	Norwest Energy NL(27.945%), BPRL(27.803%); ARC Energy Limited(44.252%)
		T/L1 & T/18P	HPCLs PI 11.25% & 9.75%
22.	Indonesia	Nunukan	BPRL Venture Indonesia BV(12.5%), Pertamina(35%); MEDCO(40%); Videocon(12.5%)
23.	USA	Niobrara Shale JV Asset	Carrizo Oil & Gas Inc., USA(60%) OIL India (USA) Inc. (20%) IOCL (USA) Inc.(10%) Haimo Oil & Gas LLC(10%)
		Eagle Ford Shale Gas Asset in Texas, USA	GAIL Global USA Inc (GGUI)-20%, Carrizo Oil & Gas (Operator)-80%
24.	Yemen	Block 82	Medco Energy -45% (Operator) Kuwait Energy-25% OIL-15% IOC-15%
		Block 83	Medco Energi-45%(Operator) Kuwait Energy-25% OIL-15% IOC-15%